ACSON International

Makes Life A Luxury

R-410A / R-407C
Air-Cooled Product System

All Product Brochure

Products manufactured in an ISO certified facility.
This document contains the most current product information as of this printing.
For the most up-to-date product information, please go to www.acson-international.com.

ACSON International

Makes Life A Luxury

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About Acson International

With products available in more than 55 countries spread across 7 continents around the world, Acson is truly international. Backed by an advanced research and development team, manufacturing facilities as well as highly-trained and extensive service network, Acson International has the key to provide ideal solution for any air-conditioning system.

With more than 25 years of manufacturing experience, Acson International has the proficient skills to continue to strive for quality excellence. Meanwhile, we devote our energy and effort to fulfil world wide customer satisfaction.

Even in light of our past efforts and success, we are as determined as ever to keep bringing our products and services to the whole world. Acson International is indeed “a global force with local presence”.

Central America

• Barbados •

Oceania

• Australia • Fiji • New Caledonia • Papua New Guinea •

Middle East

• Jordan • Kuwait • Lebanon • Oman • Qatar • Saudi Arabia • Syria • UAE • Tunisia •

Europe

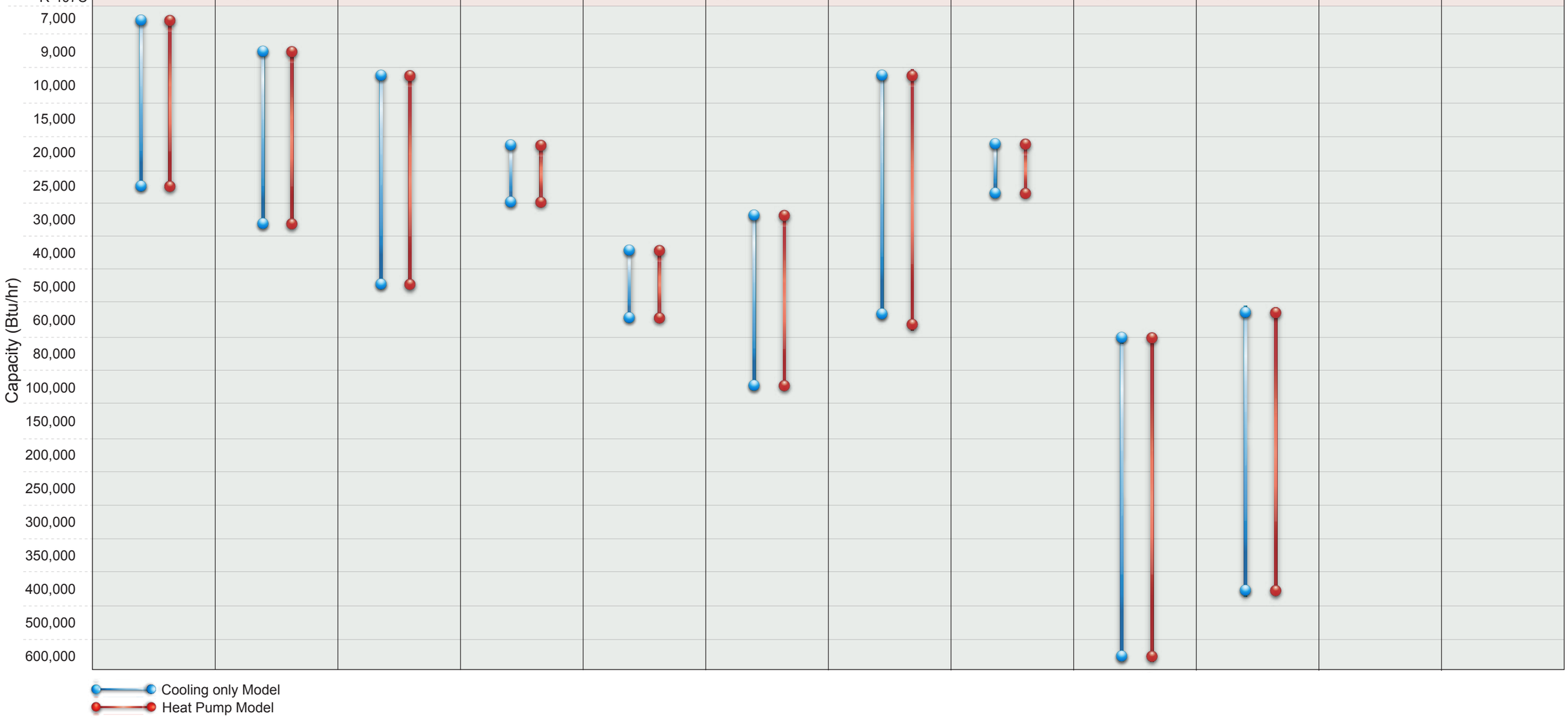
• Austria • Czech Republic • Croatia • Denmark • England • Finland • Germany •
• Greece • Hungary • Italy • Kazakhstan • Netherlands • Poland •
• Portugal • Romania • Russia • Spain • Sweden • Turkey •

Asia

• Bangladesh • India • Indonesia • Malaysia • Myanmar • Nepal • Pakistan • Sri Lanka •

PRODUCT LINE-UP

	Wall Mounted Single Split G Series	Multi Split A Series	Ceiling Cassette A & C Series	Ceiling Convertible E Series	Ceiling Convertible C & D Series	Ceiling Concealed D Series	Ceiling Concealed C Series	Horizontal Ducted Condensing Unit A Series	Ducted Split D & ER Series	Air-Cooled Rooftop A Series	Intelligent Control Series	Heat Exchanger A Series
Features	Pg.4	Pg.8	Pg.10	Pg.12	Pg.14	Pg.16	Pg.18	Pg.20	Pg.22	Pg.24	Pg.26	Pg.29
Specification R-410A	Pg.R-410A-1	–	Pg.R-410A-2	Pg.R-410A-4	Pg.R-410A-4	Pg.R-410A-5	Pg.R-410A-6	Pg.R-410A-7	–	–	–	–
Specification R-407C	–	Pg.R-407C-1	–	–	–	Pg.R-407C-2	–	–	Pg.R-407C-2	Pg.R-407C-6	–	–



WALL MOUNTED G SERIES

▲ A5WM 07/09/10/15/20/25 G/GR

A5WM 07/09/10/15/20/25 G/GR

Cooling:
7500 Btu/h - 21000 Btu/h
2.20 kW - 6.16 kW

Heating:
7500 Btu/h - 22000 Btu/h
2.20 kW - 6.45 kW

▲ A5LC 07/10/15 C/CR

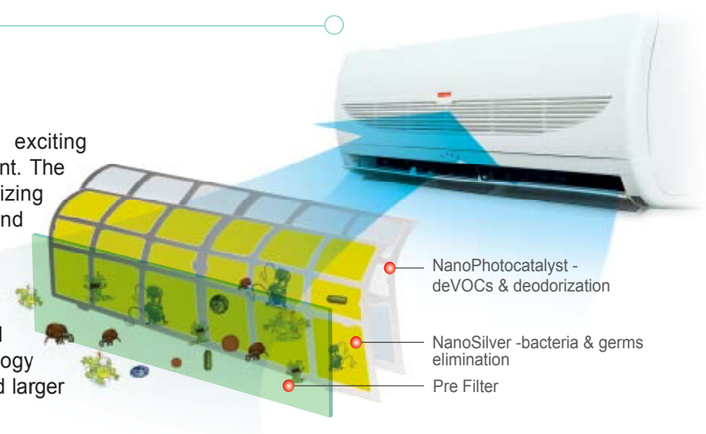
▲ A5LC 20/25/28 C/CR

AWM-G Series Offers Various Indoor Air Quality Features Improved with NANOTECHNOLOGY

NANOSHIELD

Acson is focused on developing new and exciting products to improve everyday living environment. The all-new NanoShield combines powerful sterilizing and deodorizing effect of NanoSilver and Nano-Photocatalyst.

Silver is used from the days of Hippocrates (Father of Medicine) as a healing agent and its use has been expanded into anti-bacterial applications ever since. Modern nanotechnology provides through full-infusion onto the filters and larger coated surface area.



INDOOR AIR QUALITY IMPROVEMENT 2:

Negative Ion Generator (Standard)

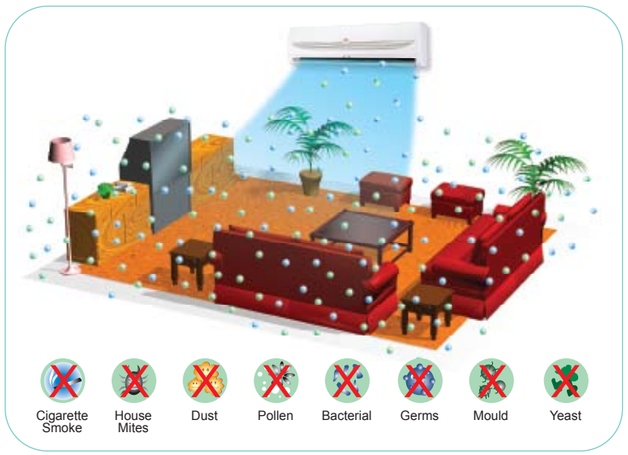
The Ion Generator releases a shower of negative ion to create a refreshing and cleaner environment.

INDOOR AIR QUALITY IMPROVEMENT 3:

Non-Thermal Plasma (NTP) Air Sterilizer (Enhanced Series)

NTP air sterilizer decomposes the Oxygen molecule (O2) into two electrically charged oxygen atoms (O*) with higher energy potential. These O* atoms can neutralize a wide range of odours (i.e. cigarette smoke, household odours and mould odours) into harmless substances (i.e. H2O, CO2 and acid). Its oxidable characteristics also can damage the cell structure of micro-organism (i.e. bacterial, dust mites, germs, mould and yeast), create a climate of cleaner and healthier air in rooms and indoor spaces.

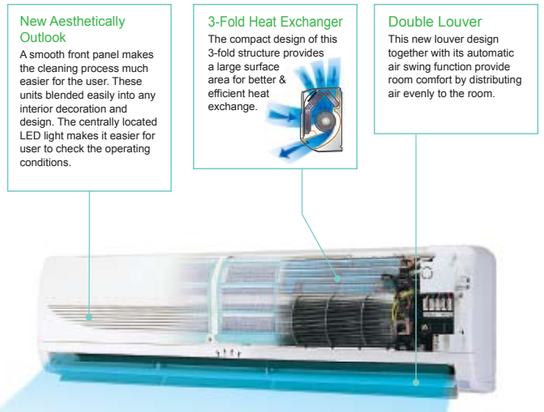
**Please refer to your local agent/dealer for product with this specification.*



WALL MOUNTED G SERIES

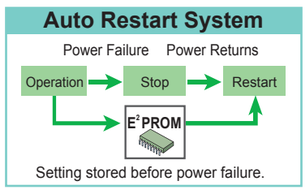
Easy Serviceability

Wall Mounted G series comes with a new design of air discharge housing whereby the fan blower can be easily accessed by just loosing up two screws on the unit. This new feature provides a flexible, faster and easier way to clean up the fan blower and ionizer.


New Aesthetically Outlook
A smooth front panel makes the cleaning process much easier for the user. These units blended easily into any interior decoration and design. The centrally located LED light makes it easier for user to check the operating conditions.
3-Fold Heat Exchanger
The compact design of this 3-fold structure provides a large surface area for better & efficient heat exchange.
Double Louver
This new louver design together with its automatic air swing function provide room comfort by distributing air evenly to the room.

Auto Random Restart

When there is power failure occurred during operation, the unit will automatically restart as the last setting condition once the power is resumed. Option is provided to cancel this feature.

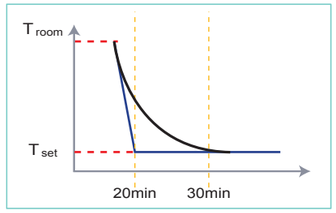


Improved Performance with COP > 3.5

Taking advantage of the innovative 3-fold heat exchanger design, which offer greater surface area for heat exchange, and coupling with the efficient A5LC-C outdoor model, the A5WM07/09/10GR series has been able to operate with improved performance, generating COP (Coefficient of Performance) of more than 3.5.

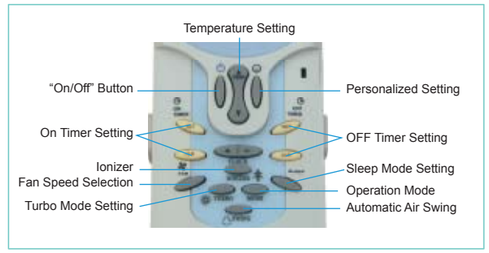
Turbo Mode

TURBO function is available in COOL, HEAT and DRY modes only. Once turbo mode is activated, the air-conditioner will run into full power with indoor fan running at HIGH speed for 20 minutes. This enables the required set temperature to be achieved in a short time. If TURBO and SLEEP are activated at the same time, the SLEEP mode timer will be reset, it will resume after TURBO function is cleared.



Personalized Setting

It allows user to pre-set and store 2 groups of personal settings (included timer setting) in the handset. This personalized settings can be overwrite from time to time based on user requirements.



Network Interface Module - Telephone Control (NIM-Tele)

By just making up a call, user can control the operation of the air conditioner remotely at anytime and anywhere. This innovative technology not only provides on / off control but also operating mode control, temperature control and status monitoring availability. The password protection function ensures more safety operation to the system.

EASY-To-Use LCD Remote Controller

Ionizer

Just press the ionizer button and the air-conditioner will generates negative ion, which will refresh the indoor air effectively.

A5WM 301

Combining the advantages of a wall-mounted unit with improved cooling / heating capacity, A5WM301 is ideally designed for large key features include:

- Uniform Air Distribution
  - automated air swing ensures conditioned air distributed evenly.
- Quite Operation
  - random-pitched fan blade delivers high air flow at lower sound level.
- Easy Maintenance
  - air intake grille is detachable and cleaned with water.

WALL MOUNTED
MULTI SPLIT SYSTEMS

▲ AWM 10/15 G (Cooling only)
AWM 10/15 GR (Heatpump)

AWM 10/15 G
AWM 10/15 GR

Cooling:
9000 Btu/h - 36000 Btu/h
2.64 kW - 10.56 kW

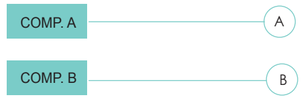
Heating:
9000 Btu/h - 33000 Btu/h
2.64 kW - 9.66 kW

▲ A4MSD 1010/1015/1515 A/AR

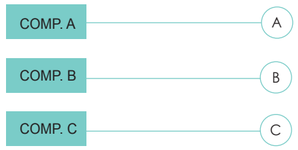
▲ A4MST 101010/101015/151515 A

Multi Split Schematic

MSD Series: Double Compressor 2-Indoor Split System



MST Series: Triple Compressor 3-Indoor Split System



Aesthetically Attractive Indoor Units

The aesthetically attractive unit is equipped with many advance features.

- 24 Hours Real Time Timer
- Sleep Mode Auto Control
- Hydrophilic 'Slit' Fin
- 3 Speed Fan Control
- Auto Fan Speed Control
- Self Diagnosis System
- Soft Dry Operation
- Auto Random Restart

Space Saving

Only 1 outdoor is need to couple with 2 or more indoors. Thus, this has effectively improving the floor space utilisation. The Multi-Split models are especially popular in the apartment and condominium application where the floor space is very limited.

Comprehensive Product Range

Acson offers a very comprehensive range of Multi-Split condensing units, right from System 2 (1 outdoor to 2 indoors) up to System 3 (1 outdoor to 3 indoors). In addition, each of the product range has various cooling / heating capacity combinations.

Reliable & Efficient Rotary Compressor

The reliable rotary compressor, which can efficiently providing an optimum cooling/heating capacity, is being used in the system.

Slit Fin

This fin design will enhance the heat transfer efficiency and thus boost up the cooling capacity.

Easy-To-Use LCD Remote Controller

The design of G12 handset comes as standard for all AWM-G series infoor which includes:

- Real Time Timer
- Turbo Mode
- Personalized Setting Control
- Activation Of Negative Ion Generator

G12 Handset

CEILING CASSETTE

▲ A5CK 20/25/30/40/50 A/AR

▲ A5CK 10/15/20 C/CR

A5CK 20/25/30/40/50 A/AR
A5CK 10/15/20 C/CR

Cooling:
9500 Btu/h - 48500 Btu/h
2.78 kW - 14.21 kW

Heating:
9500 Btu/h -49000 Btu/h
2.78 kW - 14.36 kW

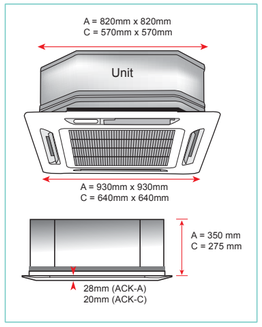
▲ A5LC 10/15 C/CR

▲ A5LC 20/25/28 C/CR

▲ A5LC 30/40/50 C/CR

Wide Range Of Offerings

Acson Ceiling Casssette offers flexibility and choices for installation depending on the interior design requirements. The compact A5CK-C series fits perfectly into the standard ceiling board of 600mm x 600mm and thus offers easier installation.



Stylish And Slim Panel

The slim panel can be blended easily into interior decoration and design.

Auto Mode

Auto Mode allows the setting to change automatically between cool and heat mode depending on the room temperature and the set temperature required.

Hot Keep Cycle

During heat mode hot keep cycle, the fan will run at low speed during the thermostat cycle off. As a result, one will not fill the draft of cold air discharge from the unit. Option of fan stop or fan run at specific interval timing can also be selected.

Self Diagnosis

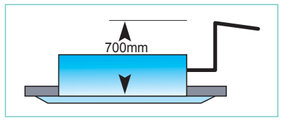
This intelligent feature helps to detect any faults or malfunctioning in the system and give user a warning by blinking of the LED lights.

4 Way Air Discharge And Air Swing

It comes with 4 way air discharge and air swing function to ensure better air distribution and circulation in the room.

Built-In High Head Drain Pump

The unit comes with a built-in high head drain pump 700mm head. A safety float is incorporated in the drain pump to monitor its water level.



NIM – Able

The A5CK-A/C range of product is able to communicate with the versatile NIM networking control module and offers the opportunity of one centralized control for a systems of multiple indoor units in a building.

Choices Of Wired And Wireless Controller

G8 Handset

AC-5300 Wireless Controller
(Optional)

SLM
Wired Controller

CEILING CONVERTIBLE
E SERIES

▲ A5CM 15/20/25/28 E/ER

A5CM 15/20/25/28 E/ER

Cooling:
12900 Btu/h - 30000 Btu/h
3.78 kW - 8.79 kW

Heating:
11800 Btu/h - 31000 Btu/h
3.46 kW - 9.09 kW

▲ A5LC 10/15 C/CR

▲ A5LC 20/25/28 C/CR

▲ A5LC 35 C/CR

Indoor Air Quality Improvement:

Acson emphasis on providing quality air. Therefore, Acson continue to offer under A5CM-E Series a range of feature to provide a healtier living environment.

Negative Ion Generator:

The Negative Ion Generator increases the amount of negative ion in the air-conditioning area, creating more refreshing environment.

Ceiling and Floor Installation Option

The A5CM is designed with the option to install either below the ceiling or mounted at low wall position to suit any interior design requirement.

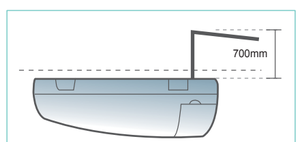
Wall bracket supplied as optional item

Automatic Air Swing

The motorized louver enables the air flow to be evenly distributed. At the same time, negative ion will be released to provide quality air.

Flexible Installation

The unit is designed to work with high pressure head drain pump (optional). Thus offering flexibility for installation on condensate drain pipe. The drain pump comes with a high head and is incorporate with the float switch as safety protection.

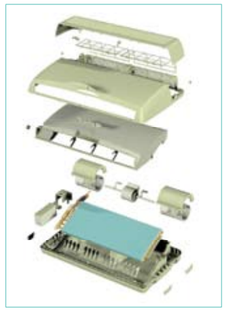


Drain pump kit supplied as optional item

Better Serviceability

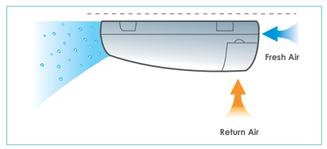
The washable filter can be easily access by just pulling down the intake grill. During servicing or repairing, only the bottom panel need to be remove in order to access.

- Fan Motor
- Blower
- Wiring Connection
- Control Box
- Piping Connection



Fresh Air Option

The A5CM is designed to draw in fresh air from outdoor. A fresh air knock out holes is designed within the unit itself to provide better ventilation.



** Fresh air kit supplied as optional item*

Choices Of Wired And Wireless Controller

G12 Handset

AC-5300 Wireless Controller
(Optional)

SLM 3
Wired Controller

CEILING CONVERTIBLE
D SERIES

▲ R5CM 40/50 D/DR

R5CM 40/50 D/DR
R5CM 62 C/CR

Cooling:
33000 Btu/h - 55000 Btu/h
9.67 kW - 16.12 kW

Heating:
33000 Btu/h - 55000 Btu/h
9.67 kW - 16.12 kW

▲ R5CM 62 C/CR (Ceiling Exposed only)

▲ A5LC 35/40/50 C/CR

▲ A5LC 61 C/CR

Ceiling And Floor Installing Option**

The unit is designed with possibility to be installed under the ceiling or sitting on the floor to suit any interior design requirements.

Two Way Air Discharge**

Equipped with two way air discharge, at front and bottom discharge; to provide better air distribution, for both cooling and heating effect.

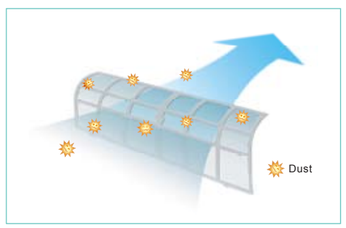
Automatic Air Swing**

The swing mode enables the air flow to be evenly distributed into the room from the front discharge area.

***Applicable for R5CM-D/DR series only.*

Saranet Air Filter

The anti fungus air filter removes air-particles from the air.



Auto Random Restart

When there is power failure occurs during operation, the unit will automatically restart as the last setting condition when the power is resumed. Option is provided to cancel this feature.

Hot Keep Cycle

During heat mode hot keep cycle, the fan will run at low speed during the thermostat cycle off. As a result, one will not feel the draft of cold air discharge from the unit. Option of fan stop or fan run at specific interval timing can also be selected.

NIM – Able

The R5CM range of product is able to communicate with the versatile NIM networking control module and offers the opportunity of one centralized control for a systems of multiple indoor units in a building.

Auto Mode

Auto Mode allows the setting to change automatically between cool and heat mode depending on the room temperature and the set temperature required.

Self Diagnosis

This feature helps to detect any faults or malfunctioning in the system and give user a warning by blinking of the LED lights.

Choices Of Wired And Wireless Controller

G8 Handset

AC-5300 Wireless Controller
(Optional)

SLM 3
Wired Controller

CEILING CONCEALED
D SERIES

▲ ACC 75/100 D/DR

▲ A5CC 30/40/50/60 D/DR

A5CC 30/40/50/60 D/DR
ACC 75/100 D/DR

Cooling:
26500 Btu/h - 100000 Btu/h
7.77 kW - 29.3 kW

Heating:
26500 Btu/h - 110000 Btu/h
7.77 kW - 32.2 kW

▲ A4MC 75/100 D
A4MC 75/100 ER

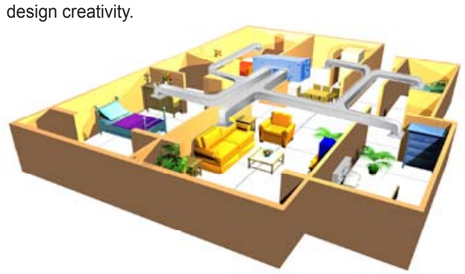
▲ A5LC 28 C/CR

▲ A5LC 35/40/50 C/CR

▲ A5LC 61 C/CR

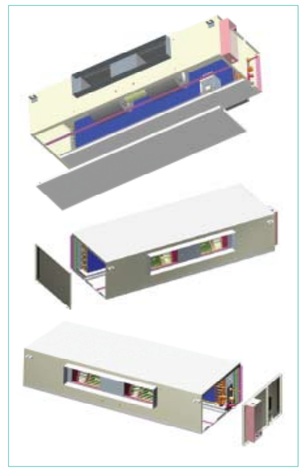
Hide Away Operation

Installed concealed above the ceiling, A5CC-D is designed to create a more comfortable and healtier indoor air climate, while remaining hide away. This allows user to enjoy conditioned air without sacrificing room space or interior design creativity.



Easier Serviceability

With the concept of easy serviceability in mind, A5CC-D series is designed for easy access to the internal components. The internal components, such as Fan motor or fan blower, of the unit can be easily accessed for servicing through both sides or bottom of the unit.



Higher Level Of Protection

Each A5CC-D series is incorporated with an unique safety feature, i.e a float switch, to protect the unit from possible problems of condensate water over flow inside the unit. Once the condensate water reaches critical level, the level switch will be activated and signal will be sent to microprocessor controller to stop the compressor as well to send an error message to the wired controller, alerting the owner, for further action.

Flexibility In System Design

The unit offers fan motor that can operate up to 4 speeds, thus provide choices of external static pressure for designing ducting system.

Choices Of Wired And Wireless Controller

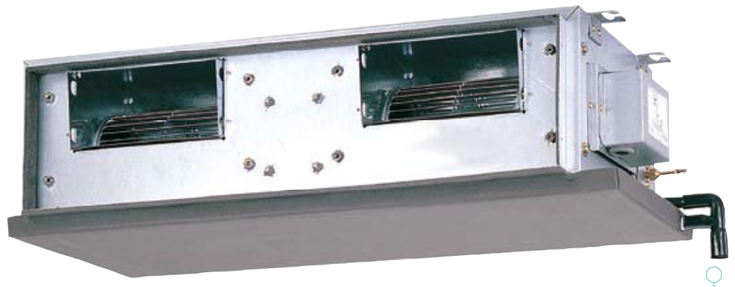
Standard unit come with the Netware III, which offers wide range of control features that includes 7 days and 24 hours timer setting, self diagnosis error code display and more.

In addition, an innovative credit card size remote controller, AC-5300, can also provides wireless command to the SLM 3 or Netware III handset.

NetWare III
Controller

AC-5300 Wireless
Controller
(Optional)

CEILING CONCEALED
C SERIES



▲ A5CC 10/15/20/25/28/38/50/60 C/CR

A5CC 10/15/20/25/28/38/50/60 C/CR

Cooling:
9500 Btu/h - 54500 Btu/h
2.78 kW - 15.97 kW

Heating:
9500 Btu/h - 57000 Btu/h
2.78 kW - 16.71 kW

▲ A5LC 10/15 C/CR

▲ A5LC 35/40/50 C/CR

▲ A5LC 20/25/28 C/CR

▲ A5LC 61 C/CR

Microprocessor Controlled

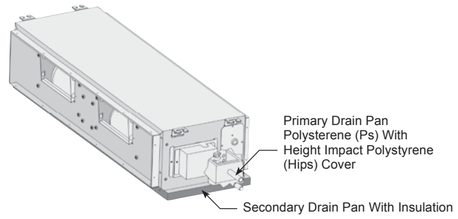
With the microprocessor controlling the operation, the A5CC model can offer more comfortable room conditions according to the needs of the user. In addition, its control algorithms can provide protection to components of the air conditioning unit against faulty.

Auto Random Restart

The unit will automatically restart according to the last setting condition when power resumed during occasion of power failure. Option is provided to cancel this feature.

Double Protection Drainage System

The primary drain pan is designed with high thermal insulation material and moulded in gradient for better condensate water drainage. The extra secondary drain pan “built in” to the standard unit offers extra protection against possible water leaking problems.



Flexibility In System Design

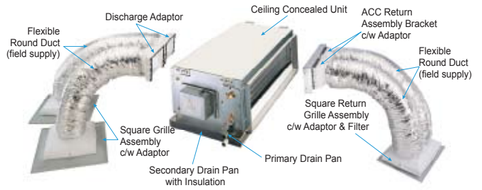
The unit offers fan motor that can operate up to 4 speeds (A5CC28-60C/CR only), thus provide choices of external static pressure for designing ducting system. In addition, a range of A5CC-C model with optional specification of low external static pressure is also provided. Please refer to the technical specification of A5CC model.

Self Diagnosis Features

The microprocessor provides the possibility to detect and to diagnose any faults that occurs in the system. Faults are displayed as error code in the wired controller. This will ease the troubleshooting process.

Duct Accessories (Optional)

A set duct accessories specifically designed to fit and to suit the A5CC-C model is being created. Thus offers a one stop solution to installing the unit.



** Available for A5CC 10-25 C/CR only.*

NIM – Able

The A5CC range of product is able to communicate with the versatile NIM networking control module and offers the opportunity of one centralized control for a systems of multiple indoor units in a building.

Choices Of Wired And Wireless Controller

Standard unit come with a simple and user friendly SLM 3. An optional specification of A5CC-C series is also available that come with Netware III, which offers wide range of control features that includes 7 days and 24 hours timer settings, self diagnosis error code display and more.
In addition, an controller of credit card size, AC-5300, which provides wireless command to the SLM 3.

SLM 3

AC-5300 Wireless Controller (Optional)

NetWare III Controller (Optional)

HORIZONTAL DUCTED CONDENSING UNIT

▲ A5HDC 20/25 AR

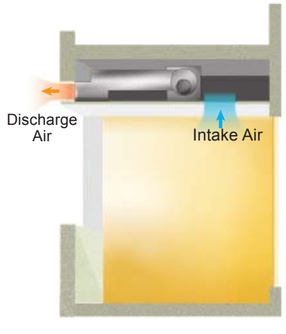
A5HDC 20/25 AR

Cooling:
18300 Btu/h - 24500 Btu/h
5.36 kW - 7.18 kW

Heating:
18500 Btu/h - 23800 Btu/h
5.44 kW - 6.98 kW

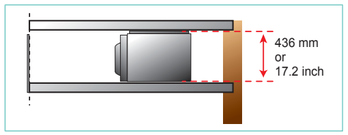
Flexibility in Installation

Incorporate with centrifugal fan design and using direct fan drive mechanism, the A5HDC offers flexibility in installation. The adequate external static pressure of the A5HDC is suitable for ducting and ductless application. Hence, by carefully sizing the ducting, user could install the unit in a concealed place without sacrificing a drop in unit capacity.



Low Height & Compact Design

The low height of 436 mm of the A5HDC can easily be fit into any concealed ceiling and covered by either false ceiling or ceiling board.



Safety and Space Saving

The design of the A5HDC offer greater safety as compare to normal condensing unit. With the ability to be hanged on the ceiling, there will be no condensing unit sitting on the balcony. This eliminates the potential danger for users from being exposed to the condensing fan blade as well as providing more space for leisure at the balcony.

Higher Efficiency

Incorporate with slit fins and inner grove copper tube design, the heat exchange surface of the A5HDC has been increased. This has boosts up the heat transfer capabilities, providing maximum efficiency and hence increase the unit capacity.
Besides that, the A5HDC is equipped with compressor with proven quality, thus giving the unit high capacity, good performance, better reliability and durability.

Robust Unit

Constructed with gauge galvanized steel and powder paint, the A5HDC is designed to resist the toughest climate and has better weather protection. This helps to established the AHDC series as a more robust unit.

Quiet Operation

By installing the unit inside a concealed ceiling, with ducted discharge air the invisible outdoor unit produces lower noise level as compare to normal condensing unit which is exposed to view. This also helps in reducing the sound pressure of the unit.

Wider Choices of Indoor Units

The Acson A5HDC is capable to couple with various indoor units such as wall mounted, ceiling cassette, and ceiling concealed split unit.

DUCTED SPLIT

▲ ADB 75/100 ER

Heatpump Unit
ADB 75/100/125/150/200/
250/300/350/400/500/600 ER

Cooling:
73000 Btu/h - 580000 Btu/h
21.409 kW - 169.9 kW

Heating:
81000 Btu/h - 600000 Btu/h
23.74 kW - 175.85 kW

▲ ADB 125/150 ER

Cooling Only Unit
ADB 75/100/125/150/200/
250/300/400/500 D

Cooling:
73000 Btu/h - 432000 Btu/h
21.40 kW - 126.61 kW

▲ ADB 200-600 ER

▲ A4MC 75/100/125/150 ER

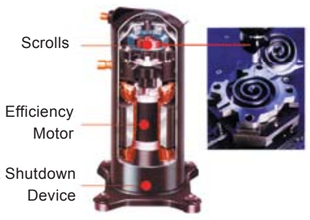
Better Air Distribution For Comfortable Living

The conditioned air can be effectively distributed to the room through the ducting.

Fresh Air For Healthier Living

Fresh air can be introduced into the building through the design of fresh air intakes. This will improve the indoor air quality.

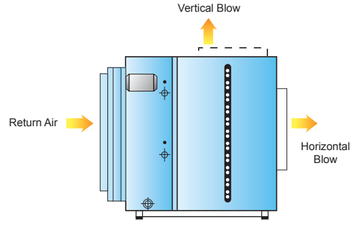
Scroll Compressor



• Improved Efficiency • Improved Reliability •
• Quiet Operation •

Flexibility In Installation

The supply and return grille can be selected based on end user or professional interior designer in integrating the ADB unit to their favorite interior design.
The range from ADB150 ER to 600 ER4 are designed to cater for either horizontal or vertical air discharge application.



Sequential Controller For Models

*** ADB 150 ER2 To ADB 600 ER4**
*** ADB 150D2 TO ADB 500D4**

This is a multi purpose controller that provides the following features:

- Sequential control and balance loading up to 4 compressor.
- Optional operation mode, available selection are "Heat/Cool/Auto/Fan" mode.
- 2 stages Auxiliary electric heater
- Wired LCD control with 7 days programmable timer.
- Self diagnostic functions.
- Alternative outdoor defrost cycle.
- Auto random restart option - memory backup.

Wired Controller*

Sequential** Controller

* Standard for
ADB 75/100/125 D, ADB 150 D1
ADB 75/100/125 ER, ADB 150ER1

** Standard for
ADB 150/200/250/300 D2
ADB 400/500 D4

ADB 150/200/250/300 ER2
ADB 400/500/600 ER4

AIR-COOLED ROOFTOP PACKAGED

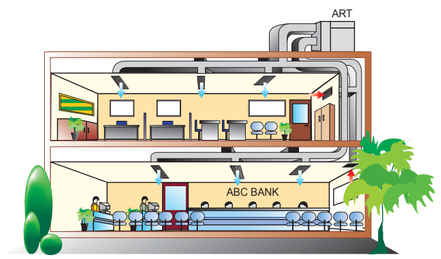
▲ A4RT 60/80/100/120/150/200 A/AR

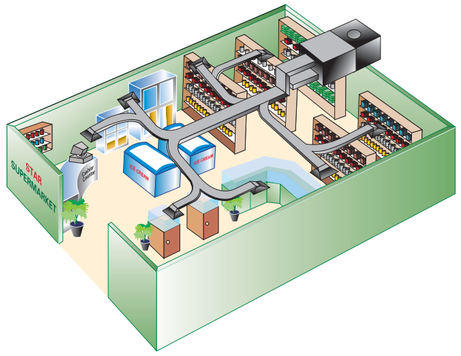
A4RT 60/80/100/120//150/200/
250/300/360/420 A/AR

Cooling:
59000 Btu/h - 374000 Btu/h
17.3 kW - 109.6 kW

Heating:
69000 Btu/h - 431000 Btu/h
20.2 kW - 126.3 kW

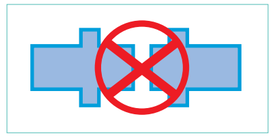
▲ A4RT 250/300/360/420 A/AR





One Complete Set Concept

The A4RT is a complete packaged unit by itself. No additional refrigeration work is require of site. This will expedited installation time and minimise installation labor involve. The refrigerant is optimally factory charge to ensure cleaner and more efficient operation.



Compact Design

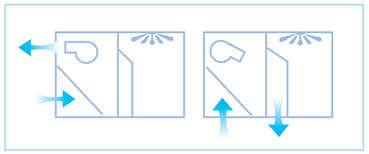
The compact size of the A4RT allow for higher utilization of the space. The foot print of the unit is small, hence minimise the installation area required.

Flat Top Design

A4RT flat top design allow for maximum utilization of warehouse and container space. The unit can be stacked up such that the space utilization is minimum.

Flexibility In Supplying Comfort Air

The Acson Rooftop Package is equip with flexibility of horizontal side throw and vertical down throw. The changing of type of throw can be achieved by easily switching the fan and motor. This will allow for maximum flexibility in installation.



Standard Wired Controller

Features
- Cool/Heat/Fan/Auto Mode
- Temperature ˚F or ˚C selectable with LED Display
- Timer Option
  - SLM 3 - 1 to 10 hours setting range
  - Sequential Controller - Real time clock
- Error indication

SLM 3 Controller* Sequential Controller**

* Standard for A4RT 60/100/120 A/AR

** Standard for A4RT 150/200/250/300/360/420 A/AR

INTELLIGENT CONTROL SERIES

Network Control NIM

Fig: NIM

Network Interface Module (NIM) is a networking system which enables communication among Acson air conditioners.

With the Network Interface Module (NIM), all your air conditioning systems can be controlled with just a single controller giving you benefits:

BENEFITS
- More convenience. No more individually controlling air conditioning units
- Quicker and easier zone control from the master control unit
- Better control of air conditioning systems operating conditions

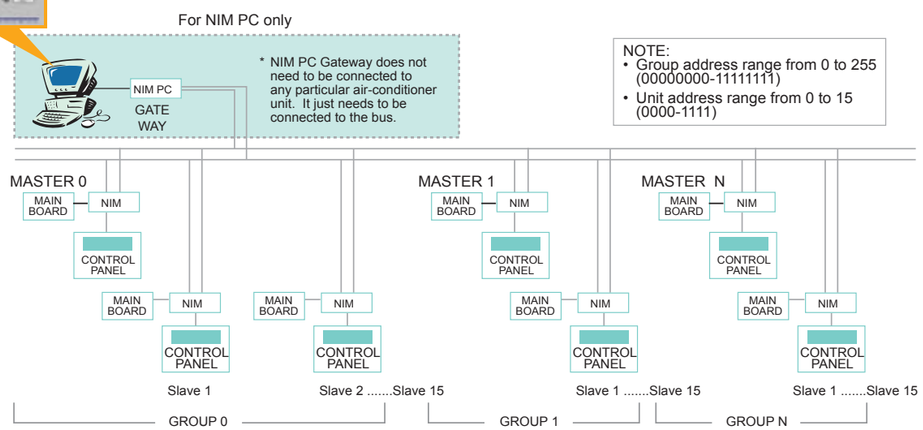
NIM utilizes master-slave type system whereby the master node will issue commands to each of the slave nodes.

Every master unit will have a group address so that every slave can only response to their respective master. Each slave unit must have a unique address so that it can be addressed independently of other nodes.
The master unit will be operating in conjunction with a control panel. Any settings done via the control panel connected to the master will overwrite the settings of its slave units.
Slave unit can be operated with or without control panel. If a slave unit is operating with a control panel, its settings can be changed without following its master.

BASIC FEATURE
- DIP switch setting for Group & Unit address.
- Master or slave system configuration.
- Automatic detection of control panel existence.
- Error type and unit ID indication through
- Display control panel.
- Maximum point to point communication bus up to 1000m.
- A single master unit can control up to 15 slave units in each group.
- Support up to 256 air conditioning units on a single communication bus.
- Each slave unit will sense their individual local temperature.

THE NIM SYSTEM CONSISTS OF
• Main Board controller • Display control panel • NIM controller • Communications bus

Typical Bus Structure for NIM Network


For NIM PC only
NIM PC
GATE WAY
* NIM PC Gateway does not need to be connected to any particular air-conditioner unit. It just needs to be connected to the bus.
NOTE:
• Group address range from 0 to 255 (00000000-11111111)
• Unit address range from 0 to 15 (0000-1111)
MASTER 0
MASTER 1
MASTER N
MAIN BOARD
NIM
CONTROL PANEL
Slave 1
Slave 2 .....Slave 15
Slave 1 .....Slave 15
Slave 1 .....Slave 15
GROUP 0
GROUP 1
GROUP N

Main board controllers and display control panel
NIM must be used in conjunction with:
- Main board Universal U1.4, W1V3 and above
- Wired controller, Netware 3, SLM 3 or Wireless Remote Control

Supported Configuration

	Master	Slave
Netware 3	●	●
SLM 3	–	●
IR Remote	–	●
None of the interface above	–	●

Communication Bus
A 2-way twisted pair cable is used as the communication bus.
Recommended cable for communication bus is a pair of screened & shielded, twisted single core wire with core diameter of 0.5mm to 1.0mm.

Connection	Recommended Maximum Cable Length (m)
First NIM to the furthest connected NIM	**1000**
NIM to Main Board	**10**
NIM to Wired Controller	**10**
NIM to NIM PC Gateway	**10**

Connection:
The communication bus must be connected serially to the adjacent NIM. (Daisy chair connection)
The same polarity has to be connected between the NIMs (A to A, B to B).

NIM PC For Global Control Hub

With NIM PC, a personal computer will act as a centralised unit for both controlling and monitoring of all air conditioning units in the NIM network.

For controlling, settings can be set from the PC and send out to the system for execution. While for monitoring, there is a graphical user interface for displaying the status of each unit.

The NIM PC provides a Global Control Hub that offers control for better system management:
- Easier to operate full graphical user interface
- Control online units globally, as a group, or as individual units
- Configure a super master unit
- Support up to 42 on/off timers per week
- Real time monitoring of online units
- Error diagnostic and alerting features for all units
- Data logging and printing ability
- Database to store unit location
- Login protected by password

NIM PC - Gate Way

GUI-Main Menu

INTELLIGENT CONTROL SERIES

S - NIM for Timer Switchover Control

Built on the NIM configuration, S-NIM serves to enhance the abilities and extend the operating lifetime of existing air conditioning units in harsh and demanding environment.

S-NIM works in a master & slave system, operating at alternate sequence of preset hours. Whenever the operating unit is at fault, the standby unit will automatically takes over.

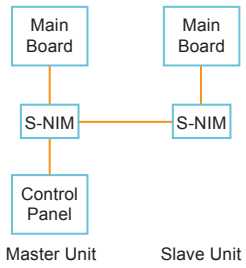
S-NIM

Features
- Auto restart feature with last state settings.
- 2 air conditioning units in a master & slave system, operating at alternate sequence of preset time (3/4/5/7/9/11/12 hours).
- System controlled by a single Netware 3 or SLM3 wired controller.
- When the operating unit is at fault, the standby unit automatically takes over.
- Error indication via error code displayed on LCD panel. (only is using Netware 3 control panel)
- During system OFF mode, running timer will stop. It resumes when changing to ON mode.
- Preset operation hours can be set via DIP Switch.

* The air conditioning unit connected to the wired controller is always the master unit.

The S-NIM system consists of
- Main Board controller
- Display control panel
- S-NIM controller
- Communication Bus

S-NIM controller application
- Server Room
- Telecommunication Tower
- Livestock Breeding Farm
- Warehouse
- Laboratory
- Railway Switching Center
- Room with Critical Electronics Equipments



Typical connection structure for S-NIM

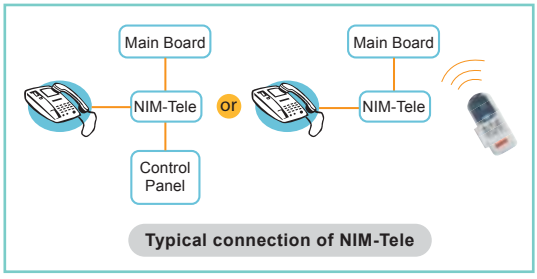
NIM-Tele For Telephone Control

NIM-Tele is a new application for the NIM, which presents an alternative form of control over air conditioner via the use fixed-line or mobile telephones from other places or long distance.

NIM-Tele is designed for Dual-Tone Multi-Frequency (DTMF) telephone with 3 (row) by 4 (column) keypad.

NIM-Tele

Features
- LED for operation indication
- On/Off air conditioner capability
- Selection of air conditioner mode of operation
- Operating temperature setting between 16˚C and 30˚C or 60˚F and 86˚F
- Tele-control capability
- User acknowledgement with beep sound
- Password system to restrict access
- Password change feature and initial password setting
- Control of NIM-Tele guided by voice instruction
- Improper operation protection



Typical connection of NIM-Tele

Benefits
- More convenience
- Simple to use with voice guided instruction

The NIM-Tele system consists of
- Main board controller
- Display control panel
- NIM-Tele controller
- Telephone line

HEAT EXCHANGER

▲ HRB 30/50/80/100/150/200 A

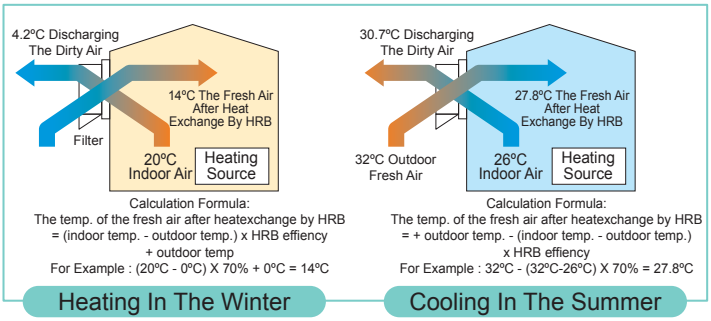
HRB 30/50/80/100/150/200 A

Capacity:
300m³/h - 2000 m³/h
177 cfm - 1177 cfm

This Heat Exchanger (HRB) is able to introduce fresh air into the confined room or area and at the same time, it is able to reduce power consumption. The HRB are available in 6 sizes, namely 300m³/h, 500m³/h, 800m³/h, 1000m³/h, 1500m³/h and 2000m³/h.

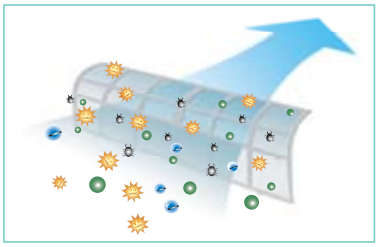
2-Way Air Exchange

The HRB is capable to provide 2-way air exchange. While providing cleaner & filtered fresh air into the indoor, the unit is also ejecting dirty indoor air to the outdoor. This has help to maintain the quality of the indoor air.



Better Living Environment

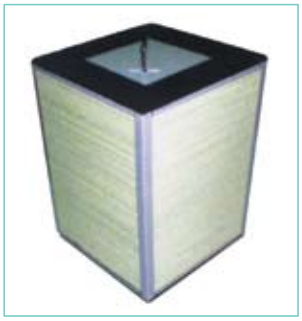
While designing the HRB, the concept of providing healthier air remains as one of the main criteria. In order to provide clean fresh air, the HRB is incorporated with active carbon filter (TiO2 filter), bactericidal lamp and humidifier. It is able to remove dust, odors and other pollutants in the fresh air to provide a healthier living environment to the user.



Energy Saving

The design of the HRB has better temperature recovery efficiency. Beside that, the unit design enables it to have better enthalpy exchange efficiency. This has help to reduce the workload of the air-conditioner to maintain the comfort level in the room and in turn reduces power consumption of the air-conditioner.

- Better heat exchange efficiency
- Industry-leading moisture penetrability, fire-retardance
- No mixture of fresh air and return air, more reliable.



< SPECIFICATIONS >

MODEL			HRB30A	HRB50A	HRB80A	HRB100A	HRB150A	HRB200A
POWER INPUT		W	175	287	437	607	720	1400
AIR FLOW	HIGH	CFM / m³/h	177 / 300	294 / 500	471 / 800	589 / 1000	883 / 1500	1177 / 2000
	MEDIUM	CFM / m³/h	118 / 220	261 / 444	377 / 640	471 / 800	783 / 1330	942 / 1600
	LOW	CFM / m³/h	88 / 150	197 / 335	294 / 500	383 / 650	683 / 1160	824 / 1400
EXT STATIC PRESSURE	HIGH	Pa	70	70	90	110	150	150
	MEDIUM	Pa	60	70	90	110	150	150
	LOW	Pa	50	70	90	100	150	150
DIMENSION	LENGTH	mm / in	1200 / 47.2	1236 / 48.6	1408 / 55.4	1708 / 67.2	1775 / 69.9	1735 / 68.3
	WIDTH	mm / in	900 / 35.4	1138 / 44.8	1264 / 49.7	1345 / 52.9	1345 / 52.9	1687 / 66.4
	HEIGH	mm / in	290 / 11.4	321 / 12.6	386 / 15.2	433 / 17.0	460 / 18.1	600 / 23.6

WALL MOUNTED A5WM-G SERIES - R-410A

HEATPUMP MODEL	INDOOR UNIT			A5WM07GR	A5WM09GR	A5WM10GR	A5WM15GR
	OUTDOOR UNIT			A5LC07CR	A5LC10CR	A5LC10CR	A5LC15CR
NOMINAL COOLING CAPACITY			Btu/h	7500	9000	9500	12000
			W	2200	2640	2780	3520
NOMINAL HEATING CAPACITY			Btu/h	7500	9000	9500	12000
			W	2200	2640	2780	3520
50 Hz	NOMINAL TOTAL INPUT POWER	COOLING	W	680	860	910	1230
		HEATING	W	550	745	770	1080
	EER		W/W	3.24	3.07	3.05	2.86
	COP		W/W	4.00	3.54	3.61	3.26
COOLING ONLY MODEL	INDOOR UNIT			A5WM07G	A5WM09G	A5WM10G	A5WM15G
	OUTDOOR UNIT			A5LC07C	A5LC10C	A5LC10C	A5LC15C
NOMINAL CAPACITY			Btu/h	7500	9000	9500	12000
			W	2200	2640	2780	3520
50 Hz	NOMINAL TOTAL INPUT POWER		W	620	860	910	1230
	EER		W/W	3.55	3.07	3.05	2.86
POWER SOURCE			V/Ph/Hz	220-240/1/50		220-240/1/50	
INDOOR UNIT	AIR FLOW	HIGH	l/s / cfm	130 / 275		142 / 300	163 / 345
		MEDIUM	l/s / cfm	106 / 225		118 / 250	135 / 285
		LOW	l/s / cfm	83 / 175		94 / 200	104 / 220
	SOUND PRESSURE LEVEL (H/M/L)		dBA	40 / 35 / 29		39 / 34 / 28	42 / 36 / 29
	UNIT DIMENSION	HEIGHT	mm/in	260 / 10.2		260 / 10.2	
		WIDTH	mm/in	799 / 31.5		899 / 35.4	
		DEPTH	mm/in	198 / 7.8		198 / 7.8	
	UNIT WEIGHT		kg/lb	10/22.05		12/26.46	
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	44	46	46	49
	UNIT DIMENSION	HEIGHT	mm/in	495/19.5	540/21.3	540/21.3	
		WIDTH	mm/in	600/23.6	700/27.6	700/27.6	
		DEPTH	mm/in	245/9.7	250/9.8	250/9.8	
	UNIT WEIGHT		kg/lb	26/57.32	33/72.75	32/70.55	
	PIPE CONNECTION	TYPE		FLARE VALVE		FLARE VALVE	
		SIZE LIQUID	mm/in	6.35 / 1/4		6.35 / 1/4	
		SIZE GAS	mm/in	9.52 / 3/8		9.52 / 3/8	12.70 / 1/2

WALL MOUNTED A5WM-G SERIES - R-410A

HEATPUMP MODEL	INDOOR UNIT			A5WM20GR	A5WM25GR	A5WM301R
	OUTDOOR UNIT			A5LC20CR	A5LC25CR	A5LC28CR
NOMINAL COOLING CAPACITY - 1Ø <3Ø>			Btu/h	17850 <18000>	20350 <22500>	26000 <26000>
			W	5230 <5280>	5960 <6590>	7620 <7620>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>			Btu/h	18000 <18500>	22000 <23000>	26000 <26000>
			W	5280 <5420>	6448 <6740>	7620 <7620>
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	1630 <1663>	1860 <2195>	2560 <2631>
		HEATING	W	1546 <1630>	1870 <2106>	2442 <2294>
	EER - 1Ø <3Ø>		W/W	3.21 <3.17>	3.21 <3.00>	2.98 <2.90>
	COP - 1Ø <3Ø>		W/W	3.42 <3.33>	3.45 <3.20>	3.12 <3.32>
COOLING ONLY MODEL	INDOOR UNIT			A5WM20G	A5WM25G	A5WM311
	OUTDOOR UNIT			A5LC20C	A5LC25C	A5LC28C
NOMINAL CAPACITY - 1Ø <3Ø>			Btu/h	17850 <18000>	20350 <22500>	26000 <26000>
			W	5230 <5280>	5960 <6590>	7620 <7620>
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	1630 <1663>	1860 <2195>	2560 <2631>
	EER - 1Ø <3Ø>		W/W	3.21 <3.17>	3.21 <3.00>	2.98 <2.90>
POWER SOURCE - 1Ø <3Ø>			V/Ph/Hz	220-240/1/50 <380-415/3/50>		
INDOOR UNIT	AIR FLOW	HIGH	l/s / cfm	231 / 490	397 / 630	316 / 670
		MEDIUM	l/s / cfm	193 / 410	231 / 490	297 / 630
		LOW	l/s / cfm	160 / 340	208 / 440	236 / 500
	SOUND PRESSURE LEVEL (H/M/L)		dBA	43 / 40 / 35	49 / 44 / 42	49 / 47 / 45
	UNIT DIMENSION	HEIGHT	mm/in	304 / 12.0		360 / 14.2
		WIDTH	mm/in	1062 / 41.8		1200 / 47.2
		DEPTH	mm/in	222 / 8.7		200 / 7.9
	UNIT WEIGHT		kg/lb	16 / 35.27		17 / 37.48
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	52		54
	UNIT DIMENSION	HEIGHT	mm/in	654 / 25.7	756 / 29.8	756 / 29.8
		WIDTH	mm/in	855 / 33.7	855 / 33.7	855 / 33.7
		DEPTH	mm/in	328 / 12.9	328 / 12.9	328 / 12.9
	UNIT WEIGHT		kg/lb	59 / 130.1	62 / 136.7	68 / 149.9
	PIPE CONNECTION	TYPE		FLARE VALVE		FLARE VALVE
		SIZE LIQUID	mm/in	6.35 / 1/4		9.52 / 3/8
		SIZE GAS	mm/in	12.70 / 1/2	15.88 / 5/8	15.88 / 5/8

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) I) FOR A5WM 25G AND BELOW, SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 0.8m BELOW THE UNIT.
II) FOR A5WM 311, SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

CEILING CASSETTE A5CK-A SERIES - R-410A

HEATPUMP MODEL			**INDOOR UNIT**		**A5CK20AR**	**A5CK25AR**	**A5CK30AR**
			OUTDOOR UNIT		**A5LC20CR**	**A5LC25CR**	**A5LC28CR**
NOMINAL COOLING CAPACITY - 1Ø <3Ø>				**Btu/h**	18500 <18500>	20000 <22860>	28000 <27000>
				W	5420 <5420>	5860 <6700>	8210 <7910>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>				**Btu/h**	18500 <18500>	21500 <23200>	28000 <27000>
				W	5420 <5420>	6300 <6800>	8210 <7910>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**		**COOLING**	**W**	1703 <1778>	2003 <2260>	2680 <2729>
			HEATING	**W**	1563 <1573>	2033 <2153>	2150 <2381>
	EER - 1Ø <3Ø>			**W/W**	3.18 <3.05>	2.93 <2.96>	3.06 <2.90>
	COP - 1Ø <3Ø>			**W/W**	3.47 <3.45>	3.10 <3.16>	3.82 <3.32>
COOLING ONLY MODEL			**INDOOR UNIT**		**A5CK20A**	**A5CK25A**	**A5CK30A**
			OUTDOOR UNIT		**A5LC20C**	**A5LC25C**	**A5LC28C**
NOMINAL CAPACITY - 1Ø <3Ø>				**Btu/h**	18500 <18500>	20000 <22860>	28000 <27000>
				W	5420 <5420>	5860 <6700>	8210 <7910>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**			**W**	1703 <1778>	2003 <2260>	2680 <2729>
	EER - 1Ø <3Ø>			**W/W**	3.18 <3.05>	2.93 <2.96>	3.06 <2.90>
POWER SOURCE - 1Ø <3Ø>				**V/Ph/Hz**	220-240/1/50 <380-415/3/50>		
INDOOR UNIT	**AIR FLOW**	**HIGH**		**l/s / CFM**	349 / 740	368 / 780	415 / 880
		MEDIUM		**l/s / CFM**	297 / 630	311 / 660	349 / 740
		LOW		**l/s / CFM**	283 / 600	283 / 600	321 / 680
	SOUND PRESSURE LEVEL (H/M/L)			**dBA**	42 / 39 / 37	45 / 42 / 40	49 / 45 / 43
	UNIT DIMENSION ( ) - WITH PANEL	**HEIGHT**		**mm/in**	335 (378) / 13.2 (14.9)		335 (378) / 13.2 (14.9)
		WIDTH		**mm/in**	820 (930) / 32.2 (36.6)		820 (930) / 32.2 (36.6)
		DEPTH		**mm/in**	820 (930) / 32.2 (36.6)		820 (930) / 32.2 (36.6)
	WEIGHT (UNIT + PANEL)			**kg/lb**	31 + 4 / 68.3 + 8.8	32 + 4 / 70.5 + 8.8	35 + 4 / 77.2 + 8.8
OUTDOOR UNIT	**SOUND PRESSURE LEVEL**			**dBA**	52	52	54
	UNIT DIMENSION	**HEIGHT**		**mm/in**	654 / 25.7	756 / 29.8	756 / 29.8
		WIDTH		**mm/in**	855 / 33.7	855 / 33.7	855 / 33.7
		DEPTH		**mm/in**	328 / 12.9	328 / 12.9	328 / 12.9
	UNIT WEIGHT			**kg/lb**	59 / 130.1	62 / 136.7	68 / 149.9
	PIPE CONNECTION	**TYPE**			FLARE VALVE		FLARE VALVE
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4	6.35 / 1/4	9.52 / 3/8
			GAS	**mm/in**	12.70 / 1/2	15.88 / 5/8	15.88 / 5/8

CEILING CASSETTE A5CK-A SERIES - R-410A

HEATPUMP MODEL			**INDOOR UNIT**		**A5CK40AR**		**A5CK50AR**
			OUTDOOR UNIT		**A5LC35CR**	**A5LC40CR**	**A5LC50CR**
NOMINAL COOLING CAPACITY - 1Ø <3Ø>				**Btu/h**	33500 <33500>	40000 <40000>	<46000>
				W	9820 <9820>	11720 <11720>	<13480>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>				**Btu/h**	35000 <35000>	40000 <40000>	<48000>
				W	10260 <10260>	11720 <11720>	<14070>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**		**COOLING**	**W**	3050 <2950>	3900 <3900>	<4520>
			HEATING	**W**	2800 <2750>	3550 <3550>	<4300>
	EER - 1Ø <3Ø>			**W/W**	3.22 <3.33>	3.01 <3.01>	<2.98>
	COP - 1Ø <3Ø>			**W/W**	3.66 <3.73>	3.3 <3.3>	<3.27>
COOLING ONLY MODEL			**INDOOR UNIT**		**A5CK40A**		**A5CK50A**
			OUTDOOR UNIT		**A5LC35C**	**A5LC40C**	**A5LC50C**
NOMINAL CAPACITY - 1Ø <3Ø>				**Btu/h**	33500 <33500>	40000 <40000>	<46000>
				W	9820 <9820>	11720 <11720>	<13480>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**			**W**	3050 <2950>	3900 <3900>	<4520>
	EER - 1Ø <3Ø>			**W/W**	3.22 <3.33>	3.01 <3.01>	<2.98>
POWER SOURCE - 1Ø <3Ø>				**V/Ph/Hz**	220-240/1/50 <380-415/3/50>		
INDOOR UNIT	**AIR FLOW**	**HIGH**		**l/s / CFM**	467 / 990		491 / 1040
		MEDIUM		**l/s / CFM**	406 / 860		448 / 950
		LOW		**l/s / CFM**	359 / 760		411 / 870
	SOUND PRESSURE LEVEL (H/M/L)			**dBA**	51 / 48 / 46		53 / 52 / 50
	UNIT DIMENSION ( ) - WITH PANEL	**HEIGHT**		**mm/in**	335 (378) / 13.2 (14.9)		335 (378) / 13.2 (14.9)
		WIDTH		**mm/in**	820 (930) / 32.2 (36.6)		820 (930) / 32.2 (36.6)
		DEPTH		**mm/in**	820 (930) / 32.2 (36.6)		820 (930) / 32.2 (36.6)
	WEIGHT (UNIT + PANEL)			**kg/lb**	38 + 4 / 83.8 + 8.8		40 + 4 / 88.2 + 8.8
OUTDOOR UNIT	**SOUND PRESSURE LEVEL**			**dBA**	58		60
	UNIT DIMENSION	**HEIGHT**		**mm/in**	850 / 33.46		850 / 33.46
		WIDTH		**mm/in**	1030 / 40.55		1030 / 40.55
		DEPTH		**mm/in**	400 / 15.75		400 / 15.75
	UNIT WEIGHT			**kg/lb**	95 / 209.4	100 / 220.5	105 / 231.5
	PIPE CONNECTION	**TYPE**			FLARE VALVE		FLARE VALVE
		SIZE	**LIQUID**	**mm/in**	9.52 / 3/8	9.52 / 3/8	9.52 / 3/8
			GAS	**mm/in**	15.88 / 5/8	15.88 / 5/8	15.88 / 5/8

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) FOR A5CK 20/25 A/AR, SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW FASCIA. FOR A5CK 30/40/50 A/AR, SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW FASCIA.

CEILING CASSETTE A5CK-C SERIES - R-410A

HEATPUMP MODEL			**INDOOR UNIT**		**A5CK10CR**	**A5CK15CR**	**A5CK20CR**
			OUTDOOR UNIT		**A5LC10CR**	**A5LC15CR**	**A5LC20CR**
NOMINAL COOLING CAPACITY - 1Ø <3Ø>				**Btu/h**	9500	12500	17500 <18000>
				W	2780	3660	5129 <5280>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>				**Btu/h**	9500	11500	17500 <18500>
				W	2780	3370	5129 <5420>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**		**COOLING**	**W**	900	1300	1690 <1724>
			HEATING	**W**	830	1020	1710 <1494>
	EER - 1Ø <3Ø>			**W/W**	3.09	2.82	3.03 <3.06>
	COP - 1Ø <3Ø>			**W/W**	3.35	3.30	3.00 <3.63>
COOLING ONLY MODEL			**INDOOR UNIT**		**A5CK10C**	**A5CK15C**	**A5CK20C**
			OUTDOOR UNIT		**A5LC10C**	**A5LC15C**	**A5LC20C**
NOMINAL CAPACITY - 1Ø <3Ø>				**Btu/h**	9500	12500	17500 <18000>
				W	2780	3660	5129 <5280>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**			**W**	900	1300	1690 <1724>
	EER - 1Ø <3Ø>			**W/W**	3.09	2.82	3.03 <3.06>
POWER SOURCE - 1Ø <3Ø>				**V/Ph/Hz**	220 - 240 / 1 / 50		220-240/1/50 <380-415/3/50>
INDOOR UNIT	**AIR FLOW**	**HIGH**		**l/s / CFM**	189 / 400	194 / 410	212 / 450
		MEDIUM		**l/s / CFM**	184 / 390	184 / 390	203 / 430
		LOW		**l/s / CFM**	175 / 370	170 / 360	194 / 410
	SOUND PRESSURE LEVEL (H/M/L)			**dBA**	44 / 43 / 42	44 / 42 / 41	47 / 46 / 44
	UNIT DIMENSION ( ) - WITH PANEL	**HEIGHT**		**mm/in**	250 (295) / 9.8 (11.6)		250 (295) / 9.8 (11.6)
		WIDTH		**mm/in**	570 (640) / 22.4 (25.2)		570 (640) / 22.4 (25.2)
		DEPTH		**mm/in**	570 (640) / 22.4 (25.2)		570 (640) / 22.4 (25.2)
	UNIT WEIGHT (UNIT + PANEL)			**kg/lb**	22 + 2 / 48.5 + 4.4	23.2 / 50.7 + 4.4	23 + 2 / 50.7 + 4.4
OUTDOOR UNIT	**SOUND PRESSURE LEVEL**			**dBA**	46	49	52
	UNIT DIMENSION	**HEIGHT**		**mm/in**	540 / 21.3		654 / 25.7
		WIDTH		**mm/in**	700 / 27.6		855 / 33.7
		DEPTH		**mm/in**	250 / 9.8		328 / 12.9
	UNIT WEIGHT			**kg/lb**	31 / 72.75	35 / 77.16	59 / 130.1
	PIPE CONNECTION	**TYPE**			FLARE VALVE		FLARE VALVE
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4
			GAS	**mm/in**	9.52 / 3/8	12.70 / 1/2	12.70 / 1/2

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW FASCIA.

CEILING CONVERTIBLE A5CM-E SERIES - R- 410A

HEATPUMP MODEL	INDOOR UNIT			A5CM15ER	A5CM20ER	A5CM25ER	A5CM28ER
	OUTDOOR UNIT			A5LC15CR	A5LC20CR	A5LC25CR	A5LC28CR
NOMINAL COOLING CAPACITY - 1Ø <3Ø>			Btu/h	12900	17500 <18100>	20000 <22860>	27000 <26000>
			W	3780	5130 <5300>	5860 <6700>	7900 <7620>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>			Btu/h	11800	18500 <18770>	22000 <23200>	27500 <26500>
			W	3460	5420 <5500>	6450 <6800>	8050 <7770>
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	1280	1723 <1757>	1973 <2231>	2754 <2715>
		HEATING	W	1130	1493 <1527>	2003 <2124>	2455 <2378>
	EER - 1Ø <3Ø>		W/W	2.95	2.98 <3.02>	2.97 <3.00>	2.87 <2.81>
	COP - 1Ø <3Ø>		W/W	3.06	3.63 <3.60>	3.22 <3.20>	3.28 <3.27>
COOLING ONLY MODEL	INDOOR UNIT			A5CM15E	A5CM20E	A5CM25E	A5CM28E
	OUTDOOR UNIT			A5LC15C	A5LC20C	A5LC25C	A5LC28C
NOMINAL CAPACITY - 1Ø <3Ø>			Btu/h	12900	17500 <18100>	20000 <22860>	27000 <26000>
			W	3780	5130 <5300>	5860 <6700>	7900 <7620>
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	1280	1723 <1757>	1973 <2231>	2754 <2715>
	EER - 1Ø <3Ø>		W/W	2.95	2.98 <3.02>	2.97 <3.00>	2.87 <2.81>
POWER SOURCE - 1Ø <3Ø>			V/Ph/Hz	220 - 240 / 1 / 50	220-240/1/50 <380-415/3/50>		
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	240 / 508	245 / 520	274 / 580	302 / 640
		MEDIUM	l/s / CFM	182 / 386	217 / 460	250 / 530	264 / 560
		LOW	l/s / CFM	165 / 350	192 / 406	231 / 490	217 / 460
	SOUND PRESSURE LEVEL (H/M/L)		dBA	48 / 43 / 41	48 / 46 / 43	50 / 47 / 46	56 / 51 / 44
	UNIT DIMENSION	HEIGHT	mm/in	218 / 8.58	218 / 8.58	218 / 8.58	218 / 8.58
		WIDTH	mm/in	1080 / 42.52	1080 / 42.52	1080 / 42.52	1080 / 42.52
		DEPTH	mm/in	630 / 24.80	630 / 24.80	630 / 24.80	630 / 24.80
	UNIT WEIGHT		kg/lb	26 / 57	27 / 60	27 / 60	28 / 62
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	49	52	52	54
	UNIT DIMENSION	HEIGHT	mm/in	540 / 21.3	654 / 25.7	756 / 29.8	756 / 29.8
		WIDTH	mm/in	700 / 27.6	855 / 33.7	855 / 33.7	855 / 33.7
		DEPTH	mm/in	250 / 9.8	328 / 12.9	328 / 12.9	328 / 12.9
	UNIT WEIGHT		kg/lb	32 / 70.55	59 / 130.1	62 / 136.7	68 / 149.9
	PIPE CONNECTION	TYPE		FLARE VALVE		FLARE VALVE	
		SIZE LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	9.52 / 3/8
		SIZE GAS	mm/in	12.70 / 1/2	12.70 / 1/2	15.88 / 5/8	15.88 / 5/8

CEILING CONVERTIBLE R5CM-D/C SERIES - R-410A

HEATPUMP MODEL	INDOOR UNIT			R5CM40DR		R5CM50DR	R5CM62CR
	OUTDOOR UNIT			A5LC35CR	A5LC40CR	A5LC50CR	A5LC61CR
NOMINAL COOLING CAPACITY - 1Ø <3Ø>			Btu/h	33000 <33000>	38500 <38500>	<43000>	<55000>
			W	9670 <9670>	11280 <11280>	<12600>	<16119>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>			Btu/h	33000 <33000>	39000 <39000>	<46000>	<55000>
			W	9670 <9670>	11430 <11430>	<13480>	<16119>
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	3148 <3048>	3954 <3900>	<4700>	<6414>
		HEATING	W	2958 <2848>	3470 <3450>	<4580>	<6349>
	EER - 1Ø <3Ø>		W/W	3.07 <3.17>	2.85 <2.89>	<2.68>	<2.51>
	COP - 1Ø <3Ø>		W/W	3.27 <3.40>	3.29 <3.31>	<2.94>	<2.54>
COOLING ONLY MODEL	INDOOR UNIT			R5CM40D		R5CM50D	R5CM62C
	OUTDOOR UNIT			A5LC35C	A5LC40C	A5LC50C	A5LC61C
NOMINAL CAPACITY - 1Ø <3Ø>			Btu/h	33000 <33000>	38500 <38500>	<43000>	<55000>
			W	9670 <9670>	11280 <11280>	<12600>	<16119>
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	3148 <3048>	3954 <3900>	<4700>	<6414>
	EER - 1Ø <3Ø>		W/W	3.07 <3.17>	2.85 <2.89>	<2.68>	<2.51>
POWER SOURCE - 1Ø <3Ø>			V/Ph/Hz	220-240/1/50 <380-415/3/50>			
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	477 / 1010		491 / 1040	732 / 1550
		MEDIUM	l/s / CFM	420 / 890		448 / 950	623 / 1320
		LOW	l/s / CFM	368 / 780		387 / 820	472 / 1000
	SOUND PRESSURE LEVEL (H/M/L)		dBA	54 / 53 / 52		54 / 53 / 52	56 / 53 / 46
	UNIT DIMENSION	HEIGHT	mm/in	249 / 9.80		249 / 9.80	285 / 11.2
		WIDTH	mm/in	1714 / 67.40		1714 / 67.40	1903 / 74.9
		DEPTH	mm/in	670 / 26.30		670 / 26.30	680 / 26.8
	UNIT WEIGHT		kg/lb	70 / 154.3		70 / 154.3	85 / 187.4
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	58		60	65
	UNIT DIMENSION	HEIGHT	mm/in	850 / 33.46		850 / 33.46	850 / 33.46
		WIDTH	mm/in	1030 / 40.55		1030 / 40.55	1030 / 40.55
		DEPTH	mm/in	400 / 15.75		400 / 15.75	460 / 18.1
	UNIT WEIGHT		kg/lb	95 / 209.4	100 / 220.5	105 / 231.5	108 / 238.1
	PIPE CONNECTION	TYPE		FLARE VALVE		FLARE VALVE	
		SIZE LIQUID	mm/in	9.52 / 3/8	9.52 / 3/8	9.52 / 3/8	9.52 / 3/8
		SIZE GAS	mm/in	15.88 / 5/8	15.88 / 5/8	15.88 / 5/8	19.05 / 3/4

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

CEILING CONCEALED A5CC-D SERIES - R-410A

HEATPUMP MODEL		**INDOOR UNIT**			**A5CC30DR**	**A5CC40DR**	
		OUTDOOR UNIT			**A5LC28CR**	**A5LC35CR**	**A5LC40CR**
NOMINAL COOLING CAPACITY - 1Ø <3Ø>				**Btu/h**	26500 <28000>	33000 <33000>	38000 <38000>
				W	7770 <8210>	9670 <9670>	11140 <11140>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>				**Btu/h**	26500 <28000>	34000 <34000>	39000 <39000>
				W	7770 <8210>	9960 <9960>	11430 <11430>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**		**COOLING**	**W**	2690 <3046>	3324 <3253>	4207 <3872>
			HEATING	**W**	2332 <2698>	3184 <2973>	3683 <3494>
	EER - 1Ø <3Ø>			**W/W**	3.22 <2.96>	3.19 <3.27>	2.85 <3.11>
	COP - 1Ø <3Ø>			**W/W**	3.78 <3.39>	3.45 <3.72>	3.37 <3.57>
COOLING ONLY MODEL		**INDOOR UNIT**			**A5CC30D**	**A5CC40D**	
		OUTDOOR UNIT			**A5LC28C**	**A5LC35C**	**A5LC40C**
NOMINAL CAPACITY - 1Ø <3Ø>				**Btu/h**	26500 <28000>	33000 <33000>	38000 <38000>
				W	7770 <8210>	9670 <9670>	11140 <11140>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**			**W**	2690 <3046>	3324 <3253>	4207 <3872>
	EER - 1Ø <3Ø>			**W/W**	3.22 <2.96>	3.19 <3.27>	2.85 <3.11>
POWER SOURCE - 1Ø <3Ø>				**V/Ph/Hz**	220-240/1/50 <380-415/3/50>		
INDOOR UNIT	**AIR FLOW**	**SUPER HIGH**		**l/s / CFM**	561 / 1190	599 / 1270	
		HIGH		**l/s / CFM**	415 / 880	538 / 1140	
		MEDIUM		**l/s / CFM**	368 / 780	429 / 910	
		LOW		**l/s / CFM**	306 / 650	368 / 780	
	EXTERNAL STATIC PRESSURE (SH/H/M/L)			**Pa (in.wg.)**	147 / 118 / 98 / 78 (0.59 / 0.47 / 0.39 / 0.31)	147 / 118 / 98 / 78 (0.59 / 0.47 / 0.39 / 0.31)	
	SOUND PRESSURE LEVEL (SH/H/M/L)			**dBA**	47 / 46 / 44 / 40	51 / 49 / 46 / 42	
	UNIT DIMENSION	**HEIGHT**		**mm/in**	350 / 13.8	350 / 13.8	
		WIDTH		**mm/in**	1116 / 43.9	1350 / 53.1	
		DEPTH		**mm/in**	563 / 22.2	563 / 22.2	
	UNIT WEIGHT			**kg/lb**	38 / 84	44 / 97	
OUTDOOR UNIT	**SOUND PRESSURE LEVEL**			**dBA**	54	58	
	UNIT DIMENSION	**HEIGHT**		**mm/in**	756 / 29.8	850 / 33.46	
		WIDTH		**mm/in**	855 / 33.7	1030 / 40.55	
		DEPTH		**mm/in**	328 / 12.9	400 / 15.75	
	UNIT WEIGHT			**kg/lb**	68 / 149.9	95 / 209.4	100 / 220.5
	PIPE CONNECTION	**TYPE**			FLARE VALVE	FLARE VALVE	
		SIZE	**LIQUID**	**mm/in**	9.52 / 3/8	9.52 / 3/8	9.52 / 3/8
			GAS	**mm/in**	15.88 / 5/8	15.88 / 5/8	15.88 / 5/8

CEILING CONCEALED A5CC-D SERIES - R-410A

HEATPUMP MODEL		**INDOOR UNIT**			**A5CC50DR**	**A5CC60DR**
		OUTDOOR UNIT			**A5LC50CR**	**A5LC61CR**
NOMINAL COOLING CAPACITY				**Btu/h**	44000	56000
				W	12900	16410
NOMINAL HEATING CAPACITY				**Btu/h**	47000	57000
				W	13770	16710
50 Hz	**NOMINAL TOTAL INPUT POWER**		**COOLING**	**W**	4794	6466
			HEATING	**W**	4148	5716
	EER			**W/W**	2.69	2.71
	COP			**W/W**	3.32	3.15
COOLING ONLY MODEL		**INDOOR UNIT**			**A5CC50D**	**A5CC60D**
		OUTDOOR UNIT			**A5LC50C**	**A5LC61C**
NOMINAL CAPACITY				**Btu/h**	44000	56000
				W	12900	16410
50 Hz	**NOMINAL TOTAL INPUT POWER**			**W**	4794	6466
	EER			**W/W**	2.69	2.71
POWER SOURCE				**V/Ph/Hz**	380 - 415 / 3 / 50	380 - 415 / 3 / 50
INDOOR UNIT	**AIR FLOW**	**SUPER HIGH**		**l/s / CFM**	661 / 1400	850 / 1800
		HIGH		**l/s / CFM**	604 / 1280	802 / 1700
		MEDIUM		**l/s / CFM**	547 / 1160	779 / 1650
		LOW		**l/s / CFM**	505 / 1070	708 / 1500
	EXTERNAL STATIC PRESSURE (SH/H/M/L)			**Pa (in.wg.)**	147 118 / 98 / 78 (0.59 / 0.47 / 0.39 / 0.31)	147 / 127 / 98 / 88 (0.59 / 0.51 / 0.39 / 0.35)
	SOUND PRESSURE LEVEL (SH/H/M/L)			**dBA**	53 / 50 / 48 / 49	53 / 52 / 49 / 46
	UNIT DIMENSION	**HEIGHT**		**mm/in**	350 / 13.8	378 / 14.9
		WIDTH		**mm/in**	1654 / 65.1	1658 / 65.3
		DEPTH		**mm/in**	563 / 22.2	576 / 22.7
	UNIT WEIGHT			**kg/lb**	50 / 110	62 / 136.7
OUTDOOR UNIT	**SOUND PRESSURE LEVEL**			**dBA**	60	65
	UNIT DIMENSION	**HEIGHT**		**mm/in**	850 / 33.46	850 / 33.46
		WIDTH		**mm/in**	1030 / 40.55	1030 / 40.55
		DEPTH		**mm/in**	400 / 15.75	460 / 18.10
	UNIT WEIGHT			**kg/lb**	105 / 231.5	108 / 238.1
	PIPE CONNECTION	**TYPE**			FLARE VALVE	FLARE VALVE
		SIZE	**LIQUID**	**mm/in**	9.52 / 3/8	9.52 / 3/8
			GAS	**mm/in**	15.88 / 5/8	19.05 / 3/4

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS B 8616 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW THE CENTER OF THE UNIT. TESTED WITH 2m DUCT LENGTH AT THE AIR DISCHARGE OUTLET AND 1m DUCT LENGTH AT THE AIR RETURN INLET.
5) EER/COP CALCULATION IS BASED ON EFFECTIVE POWER INPUT AS PER ISO 5151.

CEILING CONCEALED A5CC-C SERIES - R-410A

HEATPUMP MODEL		**INDOOR UNIT**			**A5CC10CR**	**A5CC15CR**	**A5CC20CR**	**A5CC25CR**
		OUTDOOR UNIT			**A5LC10CR**	**A5LC15CR**	**A5LC20CR**	**A5LC25CR**
NOMINAL COOLING CAPACITY - 1Ø <3Ø>				**Btu/h**	9500	12500	18000 <18000>	21000 <22860>
				W	2780	3660	5280 <5280>	6155 <6700>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>				**Btu/h**	9500	12000	18500 <18500>	22000 <23200>
				W	2780	3520	5420 <5420>	6450 <6800>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**		**COOLING**	**W**	961	1297	1757 <1791>	2003 <2274>
			HEATING	**W**	813	1147	1597 <1561>	1953 <2167>
	EER - 1Ø <3Ø>			**W/W**	2.96	2.91	3.13 <3.07>	3.15 <3.02>
	COP - 1Ø <3Ø>			**W/W**	3.52	3.18	3.55 <3.64>	3.39 <3.22>
COOLING ONLY MODEL		**INDOOR UNIT**			**A5CC10C**	**A5CC15C**	**A5CC20C**	**A5CC25C**
		OUTDOOR UNIT			**A5LC10C**	**A5LC15C**	**A5LC20C**	**A5LC25C**
NOMINAL CAPACITY - 1Ø <3Ø>				**Btu/h**	9500	12500	18000 <18000>	21000 <22860>
				W	2780	3660	5280 <5280>	6155 <6700>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**			**W**	961	1297	1757 <1791>	2003 <2274>
	EER - 1Ø <3Ø>			**W/W**	2.96	2.91	3.13 <3.07>	3.15 <3.02>
POWER SOURCE - 1Ø <3Ø>				**V/Ph/Hz**	220 - 240 / 1 / 50		220-240/1/50 <380-415/3/50>	
INDOOR UNIT	**AIR FLOW**	**HIGH**		**l/s / CFM**	142 / 300	241 / 510	330 / 700	345 / 730
		MEDIUM		**l/s / CFM**	123 / 260	208 / 440	321 / 680	340 / 720
		LOW		**l/s / CFM**	104 / 220	170 / 360	293 / 620	274 / 580
	EXTERNAL STATIC PRESSURE (H/M/L)			**Pa (in.wg.)**	49 / 39 / 29 (0.20 / 0.16 / 0.12)	49 / 39 / 20 (0.20 / 0.16 / 0.08)	64 / 58 / 34 (0.26 / 0.26 / 0.14)	55 / 39 / 29 (0.22 / 0.16 / 0.12)
	SOUND PRESSURE LEVEL (H/M/L)			**dBA**	33 / 30 / 26	37 / 34 / 29	38 / 36 / 34	40 / 39 / 36
	UNIT DIMENSION	**HEIGHT**		**mm/in**	261 / 10.28	261 / 10.28	261 / 10.28	261 / 10.28
		WIDTH		**mm/in**	765 / 30.12	905 / 35.63	1065 / 41.93	1200 / 47.24
		DEPTH		**mm/in**	411 / 16.18	411 / 16.18	411 / 16.18	411 / 16.18
	WEIGHT			**kg/lb**	17 / 37.5	21 / 46.3	22 / 48.5	25 / 55.1
OUTDOOR UNIT	**SOUND PRESSURE LEVEL**			**dBA**	46	49	52	52
	UNIT DIMENSION	**HEIGHT**		**mm/in**	540 / 21.3		654 / 25.7	756 / 29.8
		WIDTH		**mm/in**	700 / 27.6		855 / 33.7	855 / 33.7
		DEPTH		**mm/in**	250 / 9.8		328 / 12.9	328 / 12.9
	UNIT WEIGHT			**kg/lb**	32 / 70.5		59 / 130.1	62 / 136.7
	PIPE CONNECTION	**TYPE**			FLARE VALVE		FLARE VALVE	FLARE VALVE
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4
			GAS	**mm/in**	9.52 / 3/8	12.70 / 1/2	12.70 / 1/2	15.88 / 5/8

CEILING CONCEALED A5CC-C SERIES - R-410A

HEATPUMP MODEL		**INDOOR UNIT**			**A5CC28CR**	**A5CC38CR**		**A5CC50CR**	**A5CC60CR**
		OUTDOOR UNIT			**A5LC28CR**	**A5LC35CR**	**A5LC40CR**	**A5LC50CR**	**A5LC61CR**
NOMINAL COOLING CAPACITY - 1Ø <3Ø>				**Btu/h**	26000 <27000>	32000 <33000>	39000 <39000>	<45000>	<55000>
				W	7620 <7910>	9380 <9670>	11430 <11430>	<13190>	<16120>
NOMINAL HEATING CAPACITY - 1Ø <3Ø>				**Btu/h**	26000 <28000>	34000 <36000>	41000 <41000>	<47000>	<55000>
				W	7620 <8210>	9960 <10550>	12020 <12020>	<13770>	<16120>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**		**COOLING**	**W**	2892 <2876>	3287 <3427>	4287 <4287>	<4600>	<5360>
			HEATING	**W**	2429 <2528>	2987 <3137>	3937 <3937>	<4040>	<4730>
	EER - 1Ø <3Ø>			**W/W**	2.73 <2.85>	3.07 <3.03>	2.82 <2.82>	<2.87>	<3.01>
	COP - 1Ø <3Ø>			**W/W**	3.27 <3.38>	3.62 <3.64>	3.25 <3.25>	<3.41>	<3.41>
COOLING ONLY MODEL		**INDOOR UNIT**			**A5CC28C**	**A5CC38C**		**A5CC50C**	**A5CC60C**
		OUTDOOR UNIT			**A5LC28C**	**A5LC35C**	**A5LC40C**	**A5LC50C**	**A5LC61C**
NOMINAL CAPACITY - 1Ø <3Ø>				**Btu/h**	26000 <27000>	32000 <33000>	39000 <39000>	<45000>	<55000>
				W	7620 <7910>	9380 <9670>	11430 <11430>	<13190>	<16120>
50 Hz	**NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>**			**W**	2892 <2876>	3287 <3427>	4287 <4287>	<4600>	<55000>
	EER - 1Ø <3Ø>			**W/W**	2.73 <2.85>	3.07 <3.03>	2.82 <2.82>	<2.87>	<3.01>
POWER SOURCE - 1Ø <3Ø>				**V/Ph/Hz**	220-240/1/50 <380-415/3/50>				
INDOOR UNIT	**AIR FLOW**	**SUPER HIGH**		**l/s / CFM**	401 / 850	604 / 1280		675 / 1430	812 / 1720
		HIGH		**l/s / CFM**	382 / 810	547 / 1160		623 / 1320	732 / 1550
		MEDIUM		**l/s / CFM**	363 / 770	496 / 1050		580 / 1230	632 / 1340
		LOW		**l/s / CFM**	335 / 710	434 / 920		533 / 1130	552 / 1170
	EXTERNAL STATIC PRESSURE (SH/H/M/L)			**Pa (in.wg.)**	98 / 78 / 68 / 59 (0.39 / 0.31 / 0.28 / 0.24)	118 / 96 / 78 / 61 (0.47 / 0.39 / 0.31 / 0.24)		147 / 126 / 109 / 92 (0.59 / 0.50 / 0.44 / 0.37)	147 / 120 / 90 / 69 (0.59 / 0.48 / 0.36 / 0.28)
	SOUND PRESSURE LEVEL (SH/H/M/L)			**dBA**	44 / 41 / 38 / 34	52 / 49 / 47 / 45		54 / 53 / 52 / 51	54 / 52 / 50 / 46
	UNIT DIMENSION	**HEIGHT**		**mm/in**	285 / 11.22	305 / 12.0		378 / 14.9	378 / 14.9
		WIDTH		**mm/in**	1007 / 39.65	1302 / 51.3		1299 / 51.1	1499 / 59.0
		DEPTH		**mm/in**	600 / 23.62	638 / 25.1		541 / 21.3	541 / 21.3
	WEIGHT			**kg/lb**	38 / 84	41 / 90		54 / 119	62 / 137
OUTDOOR UNIT	**SOUND PRESSURE LEVEL**			**dBA**	54	58		60	65
	UNIT DIMENSION	**HEIGHT**		**mm/in**	756 / 29.8	850 / 33.46		850 / 33.46	850 / 33.46
		WIDTH		**mm/in**	855 / 33.7	1030 / 40.55		1030 / 40.55	1030 / 40.55
		DEPTH		**mm/in**	328 / 12.9	400 / 15.75		400 / 15.75	460 / 18.1
	UNIT WEIGHT			**kg/lb**	68 / 149.9	95 / 209.4	100 / 220.5	105 / 231.5	108 / 238.1
	PIPE CONNECTION	**TYPE**			FLARE VALVE	FLARE VALVE		FLARE VALVE	FLARE VALVE
		SIZE	**LIQUID**	**mm/in**	9.52 / 3/8	9.52 / 3/8		9.52 / 3/8	9.52 / 3/8
			GAS	**mm/in**	15.88 / 5/8	15.88 / 5/8		15.88 / 5/8	19.05 / 3/4

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS B 8616 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW THE CENTER OF THE UNIT. TESTED WITH 2m DUCT LENGTH AT THE AIR DISCHARGE OUTLET AND 1m DUCT LENGTH AT THE AIR RETURN INLET.
5) EER/COP CALCULATION IS BASED ON EFFECTIVE POWER INPUT AS PER ISO 5151.

HORIZONTAL DUCTED CONDENSING UNIT A5HDC-AR SERIES - R-410A

OUTDOOR UNIT				A5HDC20AR	A5HDC25AR
SOUND PRESSURE LEVEL			dBA	46	47
UNIT DIMENSION		HEIGHT	mm/in	436 / 17.2	
		WIDTH	mm/in	1240 / 48.8	
		DEPTH	mm/in	586 / 23.1	
UNIT WEIGHT			kg	72	81
PIPE CONNECTION	TYPE			FLARE VALVE	
	SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
		GAS	mm/in	12.7 / 1/2	15.88 / 5/8

WALL MOUNTED A5WM-G SERIES - R-410A

HEATPUMP MODEL	INDOOR UNIT			A5WM20GR	A5WM25GR
	OUTDOOR UNIT			A5HDC20AR	A5HDC25AR
NOMINAL COOLING CAPACITY			Btu/h	18300	24300
			W	5363	7122
NOMINAL HEATING CAPACITY			Btu/h	18500	23500
			W	5442	6887
50 Hz	NOMINAL TOTAL INPUT POWER	COOLING	W	2297	2930
		HEATING	W	2067	2720
	EER		W/W	2.33	2.43
	COP		W/W	2.63	2.53
POWER SOURCE			V/Ph/Hz	220 - 240 / 1 / 50	
INDOOR UNIT	AIR FLOW		cfm / L/s	490 / 232	630 / 298
	SOUND PRESSURE LEVEL (H/M/L)		dBA	43 / 40 / 35	49 / 44 / 42
	UNIT DIMENSION	HEIGHT	mm/in	304 / 12.0	
		WIDTH	mm/in	1062 / 41.8	
		DEPTH	mm/in	222 / 8.7	
	WEIGHT		kg	16 / 35.27	

CEILING CONCEALED A5CC-C SERIES - R-410A

HEATPUMP MODEL	INDOOR UNIT			A5CC20CR	A5CC25CR
	OUTDOOR UNIT			A5HDC20AR	A5HDC25AR
NOMINAL COOLING CAPACITY			Btu/h	18300	24300
			W	5360	7120
NOMINAL HEATING CAPACITY			Btu/h	18500	23500
			W	5420	6890
50 Hz	NOMINAL TOTAL INPUT POWER	COOLING	W	2350	2970
		HEATING	W	2120	2760
	EER		W/W	2.35	2.45
	COP		W/W	2.64	2.55
POWER SOURCE			V/Ph/Hz	220 - 240 / 1 / 50	
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	330 / 700	345 / 730
		MEDIUM	l/s / CFM	321 / 680	340 / 720
		LOW	l/s / CFM	293 / 620	274 / 580
	EXTERNAL STATIC PRESSURE (H/M/L)		Pa (in.wg.)	64 / 58 / 34 (0.26 / 0.24 / 0.14)	55 / 39 / 29 (0.22 / 0.16 / 0.12)
	SOUND PRESSURE LEVEL (H/M/L)		dBA	38 / 36 / 34	40 / 39 / 36
	UNIT DIMENSION	HEIGHT	mm/in	261 / 10.28	261 / 10.28
		WIDTH	mm/in	1065 / 41.93	1200 / 47.24
		DEPTH	mm/in	411 / 16.18	411 / 16.18
	WEIGHT		kg	22	25

EER/COP CALCULATION IS BASED ON EFFECTIVE POWER INPUT AS PER ISO 5151.

CEILING CASSETTE A5CK-A SERIES - R-410A

HEATPUMP MODEL	INDOOR UNIT			A5CK20AR	A5CK25AR
	OUTDOOR UNIT			A5HDC20AR	A5HDC25AR
NOMINAL COOLING CAPACITY			Btu/h	18700	24500
			W	5481	7180
NOMINAL HEATING CAPACITY			Btu/h	18800	23800
			W	5510	6975
50 Hz	NOMINAL TOTAL INPUT POWER	COOLING	W	2336	2949
		HEATING	W	2106	2739
	EER		W/W	2.35	2.43
	COP		W/W	2.62	2.55
POWER SOURCE			V/Ph/Hz	220 - 240 / 1 / 50	
INDOOR UNIT	AIR FLOW		cfm / L/s	770 / 363	810 / 382
	SOUND PRESSURE LEVEL (H/M/L)		dBA	42 / 39 / 37	45 / 42 / 40
	UNIT DIMENSION ( ) - WITH PANEL	HEIGHT	mm/in	335 (363) / 13.2 (14.3)	
		WIDTH	mm/in	820 (930) / 32.2 (36.6)	
		DEPTH	mm/in	820 (930) / 32.2 (36.6)	
	WEIGHT (UNIT + PANEL)		kg	31 + 4	32 + 4

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) I) FOR A5WM, SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 0.8m BELOW THE UNIT.
II) FOR A5CC, SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS B 8616 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW THE CENTER OF THE UNIT. TESTED WITH 2m DUCT LENGTH AT THE AIR DISCHARGE OUTLET AND 1m DUCT LENGTH AT THE AIR RETURN INLET.
III) FOR A5CK, SOUND PRESSURE LEVEL ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW FASCIA.

MULTI-SPLIT A4MSD-A SERIES WITH WALL MOUNTED - R-407C

HEATPUMP MODEL		OUTDOOR UNIT			A4MSD 1010AR	A4MSD 1015AR		A4MSD 1515AR
		INDOOR UNIT			2 x AWM 10GR	AWM 10GR	AWM 15GR	2 x AWM 15GR
NOMINAL COOLING CAPACITY				Btu/h	2 x 9000	9000	10500	2 x 10500
				W	2 x 2640	2640	3080	2 x 3080
NOMINAL HEATING CAPACITY				Btu/h	2 x 9000	9000	11500	2 x 11500
				W	2 x 2640	2640	3370	2 x 3370
50HZ	NOMINAL POWER INPUT-COOLING	ONE UNIT RUNNING		W	996	996	1470	1470
		TWO UNITS RUNNING		W	1916	2371		2828
	NOMINAL POWER INPUT-HEATING	ONE UNIT RUNNING		W	994	994	1480	1480
		TWO UNITS RUNNING		W	1786	2251		2718
COOLING ONLY MODEL		OUTDOOR UNIT			A4MSD 1010A	A4MSD 1015A		A4MSD 1515A
		INDOOR UNIT			2 x AWM 10G	AWM 10G	AWM 15G	2 x AWM 15G
NOMINAL CAPACITY				Btu/h	2 x 9000	9000	12000	2 x 12000
				W	2 x 2640	2640	3520	2 x 3520
50 HZ	NOMINAL TOTAL INPUT POWER	ONE UNIT RUNNING		W	1037	1037	1570	1570
		TWO UNITS RUNNING		W	1904	2437		2970
POWER SOURCE				V/Ph/Hz	220 ~ 240 / 1 / 50	220 ~ 240 / 1 / 50		220 ~ 240 / 1 / 50
INDOOR UNIT	AIR FLOW	HIGH		l/s / cfm	141.60 / 300	141.60 / 300	162.82 / 345	162.82 / 345
		MEDIUM		l/s / cfm	117.99 / 250	117.99 / 250	134.51 / 285	134.51 / 285
		LOW		l/s / cfm	94.39 / 200	94.39 / 200	103.83 / 220	103.83 / 220
	SOUND PRESSURE LEVEL (H/M/L)			dBA	39 / 34 / 28	39 / 34 / 28	42 / 36 / 29	42 / 36 / 29
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2		260 / 10.2
		WIDTH		mm/in	899 / 35.4	899 / 35.4		899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8		198 / 7.8
	UNIT WEIGHT			kg/lb	12 / 26.46	12 / 26.46		12 / 26.46
OUTDOOR UNIT	SOUND PRESSURE LEVEL			dBA	56	56		56
	UNIT DIMENSION	HEIGHT		mm/in	646 / 25.4	646 / 25.4		646 / 25.4
		WIDTH		mm/in	840 / 33.1	840 / 33.1		840 / 33.1
		DEPTH		mm/in	330 / 13	330 / 13		330 / 13
	UNIT WEIGHT			kg/lb	63 / 138.89	63 / 138.89	65 / 143.3	65 / 143.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE		FLARE VALVE
		SIZE	LIQUID	mm/in	2 x 6.35 / 2 x 1/4	2 x 6.35 / 2 x 1/4		2 x 6.35 / 2 x 1/4
			GAS	mm/in	2 x 9.52 / 2 x 3/8	9.52 / 3/8	12.7 / 1/2	2 x 12.7 / 2 x 1/2

MULTI-SPLIT A4MST-A SERIES WITH WALL MOUNTED - R-407C

HEATPUMP MODEL		OUTDOOR UNIT			A4MST101010AR	A4MST101015AR		A4MST101515AR		A4MST151515AR
		INDOOR UNIT			3 x AWM10GR	2 x AWM10GR	AWM15GR	AWM10GR	2 x AWM15GR	3 x AWM15GR
NOMINAL COOLING CAPACITY				Btu/h	3 x 9000	2 x 9000	12000	9000	2 x 12000	3 x 12000
				W	3 x 2640	2 x 2640	3520	2640	2 x 3520	3 x 3520
NOMINAL HEATING CAPACITY				Btu/h	3 x 9000	2 x 9000	11000	9000	2 x 11000	3 x 11000
				W	3 x 2640	2 x 2640	3220	2640	2 x 3220	3 x 3220
50 Hz	NOMINAL TOTAL INPUT POWER	COOLING		W	2943	3356		3769		4182
		HEATING		W	2622	2973		3324		3675
COOLING ONLY MODEL		OUTDOOR UNIT			A4MST101010A	A4MST101015A		A4MST101515A		A4MST151515A
		INDOOR UNIT			3 x AWM10G	2 x AWM10G	AWM15G	AWM10G	2 x AWM15G	3 x AWM15G
NOMINAL CAPACITY				Btu/h	3 x 9000	2 x 9000	12000	9000	2 x 12000	3 x 12000
				W	3 x 2640	2 x 2640	3520	2640	2 x 3520	3 x 3520
50 Hz	NOMINAL TOTAL INPUT POWER			W	2943	3356		3769		4182
POWER SOURCE				V/Ph/Hz	220 ~ 240 / 1 / 50	220 ~ 240 / 1 / 50		220 ~ 240 / 1 / 50		220 ~ 240 / 1 / 50
INDOOR UNIT	AIR FLOW	HIGH		l/s / cfm	141.60 / 300	141.60 / 300	162.82 / 345	141.60 / 300	162.82 / 345	162.82 / 345
		MEDIUM		l/s / cfm	117.99 / 250	117.99 / 250	134.51 / 285	117.99 / 250	134.51 / 285	134.51 / 285
		LOW		l/s / cfm	94.39 / 200	94.39 / 200	103.83 / 220	94.39 / 200	103.83 / 220	103.83 / 220
	SOUND PRESSURE LEVEL (H/M/L)			dBA	39 / 34 / 28	39 / 34 / 28	42 / 36 / 29	39 / 34 / 28	42 / 36 / 29	42 / 36 / 29
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2		260 / 10.2		260 / 10.2
		WIDTH		mm/in	899 / 35.4	899 / 35.4		899 / 35.4		899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8		198 / 7.8		198 / 7.8
	UNIT WEIGHT			kg/lb	12 / 26.46	12 / 26.46		12 / 26.46		12 / 26.46
OUTDOOR UNIT	SOUND PRESSURE LEVEL			dBA	61 / 58	61 / 58		62 / 59		62 / 59
	UNIT DIMENSION	HEIGHT		mm/in	631.7 / 24.9	631.7 / 24.9		631.7 / 24.9		631.7 / 24.9
		WIDTH		mm/in	960.0 / 37.8	960.0 / 37.8		960.0 / 37.8		960.0 / 37.8
		DEPTH		mm/in	437.0 / 17.2	437.0 / 17.2		437.0 / 17.2		437.0 / 17.2
	UNIT WEIGHT			kg/lb	97 / 213.8	101 / 222.7		105 / 231.5		109 / 240.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE		FLARE VALVE		FLARE VALVE
		SIZE	LIQUID	mm/in	3 x 6.35 / 3 x 1/4	3 x 6.35 / 3 x 1/4		3 x 6.35 / 3 x 1/4		3 x 6.35 / 3 x 1/4
			GAS	mm/in	3 x 9.52 / 3 x 3/8	2 x 9.52 / 2 x 3/8	12.7 / 1/2	9.52 / 3/8	2 x 12.7 / 2 x 1/2	3 x 12.7 / 3 x 1/2

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 0.8m BELOW THE UNIT.

CEILING CONCEALED ACC-D SERIES - R-407C

HEATPUMP MODEL		INDOOR UNIT			ACC75DR	ACC100DR
		OUTDOOR UNIT			A4MC75ER	A4MC100ER
NOMINAL COOLING CAPACITY				Btu/h	75000	100000
				W	21980	29310
NOMINAL HEATING CAPACITY				Btu/h	84000	110000
				W	24620	32240
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	7827	11040
			HEATING	W	7827	9279
	EER			W/W	3.12	2.80
	COP			W/W	3.49	3.70
COOLING ONLY MODEL		INDOOR UNIT			ACC75D	ACC100D
		OUTDOOR UNIT			A4MC75D	A4MC100D
NOMINAL CAPACITY				Btu/h	75000	100000
				W	21980	29310
50 Hz	NOMINAL TOTAL INPUT POWER			W	7827	11040
	EER			W/W	3.12	2.80
POWER SOURCE				V/Ph/Hz	380 - 415 / 3 / 50	
INDOOR UNIT	AIR FLOW	SUPER HIGH		l/s / CFM	1142 / 2420	1487 / 3150
		HIGH		l/s / CFM	1156 / 2450	1477 / 3130
		MEDIUM		l/s / CFM	944 / 2000	1340 / 2840
		LOW		l/s / CFM	793 / 1680	1057 / 2240
	EXTERNAL STATIC PRESSURE (SH/H/M/L)			Pa (in.wg.)	196 / 137 / 98 / 69 (0.79 / 0.55 / 0.39 / 0.28)	
	SOUND PRESSURE LEVEL (SH/H/M/L)			dBA	52 / 52 / 48 / 43	55 / 54 / 52 / 48
	UNIT DIMENSION	HEIGHT		mm/in	430 / 16.9	430 / 16.9
		WIDTH		mm/in	1426 / 56.1	1655 / 65.2
		DEPTH		mm/in	826 / 32.5	826 / 32.5
	UNIT WEIGHT			kg/lb	92 / 203	119 / 262
OUTDOOR UNIT	SOUND PRESSURE LEVEL			dBA	64	
	UNIT DIMENSION	HEIGHT		mm/in	1041 / 40.98	
		WIDTH		mm/in	981 / 38.62	
		DEPTH		mm/in	981 / 38.62	
	UNIT WEIGHT			kg/lb	170 / 374	184 / 405
	PIPE CONNECTION	TYPE			BRAZING	
		SIZE	LIQUID	mm/in	12.70 / 1/2	15.88 / 5/8
			GAS	mm/in	25.40 / 1	25.57 / 1-1/8

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-94.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35.0°C DB / 23.9°C WB OUTDOOR
b) HEATING - 21.1°C DB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER, ACCORDING TO JIS B 8616 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW THE CENTER OF THE UNIT. TESTED WITH 2m DUCT LENGTH AT THE AIR DISCHARGE OUTLET AND 1m DUCT LENGTH AT THE AIR RETURN INLET.
5) EER/COP CALCULATION IS BASED ON EFFECTIVE POWER INPUT AS PER ISO 5151.

DUCTED SPLIT ADB-D SERIES - R-407C

COOLING ONLY MODEL		INDOOR UNIT			ADB75D	ADB100D
		OUTDOOR UNIT			A4MC75D	A4MC100D
NOMINAL CAPACITY				Btu/h	73000	91000
				W	21395	26670
50 Hz	NOMINAL TOTAL INPUT POWER			W	8080	10160
POWER SOURCE				V/Ph/Hz	380~415 / 3 / 50	380~415 / 3 / 50
INDOOR UNIT	AIR FLOW		HIGH	l/s / cfm	1064 / 2254	1425 / 3019
			MEDIUM	l/s / cfm	874 / 1852	1138 / 2411
			LOW	l/s / cfm	733.4 / 1554	957 / 2029
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa / in.wg	(194.8 / 0.78) / (151.8 / 0.61) / (111.7 / 0.45)	(218.5 / 0.88) / (151.8 / 0.61) / (153.8 / 0.62)
	SOUND PRESSURE LEVEL (H/M/L)			dBA	56 / 54 / 52	57 / 55 / 53
	UNIT DIMENSION		HEIGHT	mm/in	507 / 19.96	507 / 19.96
			WIDTH	mm/in	1507 / 59.33	1917.2 / 75.48
			DEPTH	mm/in	904 / 35.59	904 / 35.59
	UNIT WEIGHT			kg/lb	95 / 209	120 / 264
OUTDOOR UNIT	SOUND PRESSURE LEVEL			dBA	64	64
	UNIT DIMENSION		HEIGHT	mm/in	1041 / 40.98	1041 / 40.98
			WIDTH	mm/in	981 / 38.62	981 / 38.62
			DEPTH	mm/in	981 / 38.62	981 / 38.62
	UNIT WEIGHT			kg/lb	170 / 374	184 / 405
	PIPE CONNECTION	TYPE			BRAZING	BRAZING
		SIZE	LIQUID	mm/in	12.70 / 1/2	15.88 / 5/8
			GAS	mm/in	28.57 / 1 1/8	28.57 / 1 1/8

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI210/240-94
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB / 23.9°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER:
POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW THE UNIT.
TESTED WITH FREE RETURN INLET AND 2m DUCT LENGTH AT THE AIR DISCHARGE OUTLET.

DUCTED SPLIT ADB-D SERIES - R-407C

COOLING ONLY MODEL				INDOOR UNIT		ADB125D	ADB150D1	ADB150D2	ADB200D2
				OUTDOOR UNIT		A4MC125D	A4MC150D	A4MC75D x 2	A4MC100D x 2
NOMINAL CAPACITY					Btu/h	108000	145000	146000	182000
					W	31653	42497	42790	53500
50 Hz	NOMINAL TOTAL INPUT POWER				W	12100	16239	16424	21100
POWER SOURCE					V/Ph/Hz	380~415 / 3 / 50	380~415 / 3 / 50	380~415 / 3 / 50	380~415 / 3 / 50
INDOOR UNIT	AIR FLOW		HIGH		l/s / cfm	1770 / 3750	2124 / 4500	2124 / 4500	2832 / 6000
	EXTERNAL STATIC PRESSURE				Pa / in.wg	161.8 / 0.65	173.0 / 0.70	173.0 / 0.70	138.8 / 0.56
	SOUND PRESSURE LEVEL				dBA	58	59	59	60
	UNIT DIMENSION		HEIGHT		mm/in	710 / 27.95	710 / 27.95	710 / 27.95	881 / 34.68
			WIDTH		mm/in	1794 / 70.62	2073 / 81.61	2073 / 81.61	1324 / 52.12
			DEPTH		mm/in	964 / 37.95	964 / 37.95	964 / 37.95	1209 / 47.59
	UNIT WEIGHT				kg/lb	155 / 341	175 / 385	175 / 385	248 / 546
OUTDOOR UNIT	SOUND PRESSURE LEVEL				dBA	66	67	64	64
	UNIT DIMENSION		HEIGHT		mm/in	1041 / 40.98	1142 / 44.96	1041 / 40.98	1041 / 40.98
			WIDTH		mm/in	1083 / 42.63	1083 / 42.63	981 / 38.62	981 / 38.62
			DEPTH		mm/in	1083 / 42.63	1083 / 42.63	981 / 38.62	981 / 38.62
	UNIT WEIGHT				kg/lb	197 / 434	268 / 590	170 / 374	184 / 405
	PIPE CONNECTION	TYPE				BRAZING	BRAZING	BRAZING	BRAZING
		SIZE	LIQUID		mm/in	15.88 / 5/8	15.88 / 5/8	12.70 / 1/2	15.88 / 5/8
			GAS		mm/in	34.92 / 1 3/8	34.92 / 1 3/8	28.57 / 1	28.57 / 1 1/8

DUCTED SPLIT ADB-D SERIES - R-407C

COOLING ONLY MODEL				INDOOR UNIT		ADB250D2	ADB300D2	ADB400D4	ADB500D4
				OUTDOOR UNIT		A4MC125D x 2	A4MC150D x 2	A4MC100D x 4	A4MC125D x 4
NOMINAL CAPACITY					Btu/h	216000	290000	364000	432000
					W	63306	84990	105510	126612
50 Hz	NOMINAL TOTAL INPUT POWER				W	25660	33998	42500	53820
POWER SOURCE					V/Ph/Hz	380~415 / 3 / 50	380~415 / 3 / 50	380~415 / 3 / 50	380~415 / 3 / 50
INDOOR UNIT	AIR FLOW		HIGH		l/s / cfm	3540 / 7500	4248 / 9000	5664 / 12000	7080 / 15000
	EXTERNAL STATIC PRESSURE				Pa / in.wg	228.5 / 0.92	225.3 / 0.91	244.5 / 0.98	317.0 / 1.28
	SOUND PRESSURE LEVEL				dBA	62	65	66	67
	UNIT DIMENSION		HEIGHT		mm/in	983 / 38.70	983 / 38.70	1176 / 46.29	1176 / 46.29
			WIDTH		mm/in	1486 / 58.50	1486 / 58.50	1722 / 67.79	1722 / 67.79
			DEPTH		mm/in	1298 / 51.10	1501 / 59.09	1691 / 66.57	2047 / 80.59
	UNIT WEIGHT				kg/lb	321 / 707	394 / 868	470 / 1036	567 / 1250
OUTDOOR UNIT	SOUND PRESSURE LEVEL				dBA	66	67	64	66
	UNIT DIMENSION		HEIGHT		mm/in	1041 / 40.98	1142 / 44.96	1041 / 40.98	1041 / 40.98
			WIDTH		mm/in	1083 / 42.63	1083 / 42.63	981 / 38.62	1083 / 42.63
			DEPTH		mm/in	1083 / 42.63	1083 / 42.63	981 / 38.62	1083 / 42.63
	UNIT WEIGHT				kg/lb	197 / 434	268 / 590	184 / 405	197 / 434
	PIPE CONNECTION	TYPE				BRAZING	BRAZING	BRAZING	BRAZING
		SIZE	LIQUID		mm/in	15.88 / 5/8	15.88 / 5/8	15.88 / 5/8	15.88 / 5/8
			GAS		mm/in	34.92 / 1 3/8	41.28 / 1 5/8	28.57 / 1 1/8	34.92 / 1 3/8

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI210/240-94
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB / 23.9°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER:
I) FOR ADB150D AND BELOW, POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW THE UNIT.
TESTED WITH FREE RETURN INLET AND 2m DUCT LENGTH AT THE AIR DISCHARGE OUTLET.
II) FOR ADB200D AND ABOVE, POSITION OF THE MEASUREMENT POINT IS 1m AWAY FROM THE SERVICE PANEL AND 1m HEIGHT FROM THE FLOOR LEVEL.
TESTED WITH FREE RETURN AND THE DISCHARGE AIR WAS DUCTED TO ADJACENT ROOM.

DUCTED SPLIT ADB-ER SERIES - R-407C

HEATPUMP MODEL		INDOOR UNIT			ADB75ER	ADB100ER
		OUTDOOR UNIT			A4MC75ER	A4MC100ER
NOMINAL COOLING CAPACITY				Btu/h	73000	91000
				W	21400	26670
NOMINAL HEATING CAPACITY				Btu/h	81000	109000
				W	23740	31950
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	8024	10610
			HEATING	W	8224	10610
POWER SOURCE				V/Ph/Hz	400 / 3 / 50	
INDOOR UNIT	AIR FLOW	HIGH		L/s / CFM	1061.9 / 2250	1415.8 / 3000
		MEDIUM		L/s / CFM	972.2 / 2060	1321.5 / 2800
		LOW		L/s / CFM	731.5 / 1550	1227.1 / 2600
	EXTERNAL STATIC PRESSURE (H/M/L)			Pa/mmAq	(105.9 / 10.8) / (93.2 / 9.5) / (64.7 / 6.6)	(210.8 / 21.5) / (189.3 / 19.3) / (160.8 / 16.4)
	SOUND PRESSURE (H/M/L)			dBA	56 / 54 / 52	57 / 55 / 53
	UNIT DIMENSION	HEIGHT		mm/in	507 / 19.96	
		WIDTH		mm/in	1507 / 59.33	1917.2 / 75.48
		DEPTH		mm/in	904 / 35.59	
	UNIT WEIGHT			kg/lb	95 / 209.0	120 / 264.0
INDOOR UNIT	SOUND PRESSURE			dBA	64	
	UNIT DIMENSION	HEIGHT		mm/in	1041 / 40.98	
		WIDTH		mm/in	981 / 38.62	
		DEPTH		mm/in	981 / 38.62	
	UNIT WEIGHT			kg/lb	170 / 374	184 / 405.7
	PIPE CONNECTION	TYPE			BRAZED	
		SIZE	LIQUID	mm/in	12.70 / 1/2	15.88 / 5/8
			GAS	mm/in	25.40 / 1.0	28.57 / 1-1/8

DUCTED SPLIT ADB-ER SERIES - R-407C

HEATPUMP MODEL		INDOOR UNIT			ADB125ER	ADB125ER2	ADB150ER1	ADB150ER2
		OUTDOOR UNIT			A4MC125ER	A4LC61CR2 x 2	A4MC150ER	A4MC75ER x 2
NOMINAL COOLING CAPACITY				Btu/h	108000	108000	145000	146000
				W	31650	31650	42500	42790
NOMINAL HEATING CAPACITY				Btu/h	124000	112000	150000	162000
				W	36340	32830	43960	47480
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	12100	12030	16239	16280
			HEATING	W	11100	11034	14060	16680
POWER SOURCE				V/Ph/Hz	400 / 3 / 50		400 / 3 / 50	
INDOOR UNIT	AIR FLOW			L/s / CFM	1769.8 / 3750		223.8 / 4500	
	EXTERNAL STATIC PRESSURE			Pa/mmAq	168.7 / 17.2		176.5 / 18.0	
	SOUND PRESSURE (H/M/L)			dBA	58		59	
	UNIT DIMENSION	HEIGHT		mm/in	710 / 27.95		710 / 27.95	
		WIDTH		mm/in	1794 / 70.62		2073 / 81.61	
		DEPTH		mm/in	964 / 37.95		964 / 37.95	
	UNIT WEIGHT			kg/lb	155 / 341.0		175 / 385.8	
INDOOR UNIT	SOUND PRESSURE			dBA	66	71	67	64
	UNIT DIMENSION	HEIGHT		mm/in	1041 / 40.98	850 / 33.46	1142 / 44.96	1041 / 40.98
		WIDTH		mm/in	1083 / 42.63	1030 / 40.55	1083 / 42.63	981 / 38.62
		DEPTH		mm/in	1083 / 42.63	460 / 18.11	1083 / 42.63	981 / 38.62
	UNIT WEIGHT			kg/lb	197 / 434.31	108 / 238.10	268 / 590.8	170 / 374.8
	PIPE CONNECTION	TYPE			BRAZED	FLARE	BRAZED	
		SIZE	LIQUID	mm/in	15.88 / 5/8	12.70 / 1/2	15.88 / 5/8	12.70 / 1/2
			GAS	mm/in	34.92 / 1-3/8	19.05 / 3/4	34.92 / 1-3/8	25.10 / 1.0

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER:
POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW THE UNIT.
TESTED WITH FREE RETURN INLET AND 2m DUCT LENGTH AT THE AIR DISCHARGE OUTLET.

DUCTED SPLIT ADB-ER SERIES - R-407C

HEATPUMP MODEL		INDOOR UNIT			ADB200ER2	ADB250ER2	ADB300ER2	ADB300ER3	ADB350ER3	
		OUTDOOR UNIT			A4MC100ER x 2	A4MC125ER x 2	A4MC150ER x 2	A4MC100ER x 3	A4MC100ER	A4MC125ER x 2
NOMINAL COOLING CAPACITY				Btu/h	182000	216000	290000	273000	307000	
				W	53340	63310	84990	90010	89980	
NOMINAL HEATING CAPACITY				Btu/h	218000	248000	300000	327000	357000	
				W	63890	72680	87920	95840	104630	
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	21030	24730	32998	31450	35020	
			HEATING	W	21930	22730	28640	32800	33470	
POWER SOURCE				V/Ph/Hz	400/3/50		400 / 3 / 50		400 / 3 / 50	
INDOOR UNIT	AIR FLOW			L/s / CFM	3020.5 / 6400	3775.6 / 8000	4247.5 / 9000		4955.4 / 10500	
	EXTERNAL STATIC PRESSURE			Pa/mmAq	176.5 / 18.0	411.9 / 42.0	353.4 / 36.0		289.3 / 29.5	
	SOUND PRESSURE (H/M/L)			dBA	61	63	66		66	
	UNIT DIMENSION	HEIGHT		mm/in	945 / 37.20	1291 / 50.82	1291 / 50.82		1546 / 60.86	
		WIDTH		mm/in	1894 / 74.56	1886 / 73.46	1866 / 73.46		2122 / 83.54	
		DEPTH		mm/in	980 / 38.58	1199 / 47.20	1199 / 47.20		1199 / 47.20	
	UNIT WEIGHT			kg/lb	220 / 485.0	343 / 756.2	343 / 756.18		440 / 970.03	
OUTDOOR UNIT	SOUND PRESSURE			dBA	64	66	67	64	64	66
	UNIT DIMENSION	HEIGHT		mm/in	1041 / 40.98	1041 / 40.98	1142 / 44.96	1041 / 40.98	1041 / 40.98	
		WIDTH		mm/in	981 / 38.62	1083 / 42.63	1083 / 42.63	981 / 38.62	981 / 38.62	1083 / 42.63
		DEPTH		mm/in	981 / 38.62	1083 / 42.63	1083 / 42.63	981 / 38.62	981 / 38.62	1083 / 42.63
	UNIT WEIGHT			kg/lb	184 / 405.7	197 / 434.31	268 / 590.84	184 / 405.65	184 / 405.65	197 / 434.31
	PIPE CONNECTION	TYPE			BRAZED		BRAZED		BRAZED	
		SIZE	LIQUID	mm/in	15.88 / 5/8		15.88 / 5/8		15.88 / 5/8	
			GAS	mm/in	28.58 / 1-1/8	34.93 / 1-3/8	34.92 / 1-3/8	28.58 / 1-1/8	28.58 / 1-1/8	34.92 / 1-3/8

DUCTED SPLIT ADB-ER SERIES - R-407C

HEATPUMP MODEL		INDOOR UNIT			ADB400ER4	ADB450ER3	ADB500ER4	ADB600ER4
		OUTDOOR UNIT			A4MC100ER x 4	A4MC150ER x 3	A4MC125ER x 4	A4MC150ER x 4
NOMINAL COOLING CAPACITY				Btu/h	364000	432000	435000	580000
				W	106680	126610	127490	169990
NOMINAL HEATING CAPACITY				Btu/h	436000	450000	496000	600000
				W	127780	131890	145370	175850
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	41435	50817	50755	70896
			HEATING	W	43235	44280	46755	62180
POWER SOURCE				V/Ph/Hz	400 / 3 / 50	400/3/50		400 / 3 / 50
INDOOR UNIT	AIR FLOW			L/s / CFM	5663.4 / 12000	6371.3 / 13500	7079.2 / 15000	8495.1 / 18000
	EXTERNAL STATIC PRESSURE			Pa/mmAq	353.0 / 36.0	372.7 / 38.0	402.1 / 41.0	519.8 / 53.0
	SOUND PRESSURE (H/M/L)			dBA	66	68		70
	UNIT DIMENSION	HEIGHT		mm/in	1546 / 60.86	1546 / 60.86		1977 / 77.83
		WIDTH		mm/in	2274 / 89.52	2274 / 89.52		2274 / 89.52
		DEPTH		mm/in	1466 / 57.71	1466 / 57.71		1905 / 75.00
	UNIT WEIGHT			kg/lb	513 / 1130.97	564 / 1243.41	606 / 1336.00	991 / 2184.78
OUTDOOR UNIT	SOUND PRESSURE			dBA	64	67	66	67
	UNIT DIMENSION	HEIGHT		mm/in	1041 / 40.98	1142 / 44.96	1041 / 40.98	1142 / 44.96
		WIDTH		mm/in	981 / 38.62	1083 / 42.63	981 / 38.62	1083 / 42.63
		DEPTH		mm/in	981 / 38.62	1083 / 42.63	981 / 38.62	1083 / 44.63
	UNIT WEIGHT			kg/lb	184 / 405.65	268 / 590.84	184 / 405.65	268 / 590.84
	PIPE CONNECTION	TYPE			BRAZED	BRAZED		BRAZED
		SIZE	LIQUID	mm/in	15.88 / 5/8	15.88 / 5/8		15.88 / 5/8
			GAS	mm/in	28.58 / 1-1/8	34.92 / 1-3/8		34.92 / 1-3/8

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER:
POSITION OF THE MEASUREMENT POINT IS 1m AWAY FROM THE SERVICE PANEL AND 1m HEIGHT FORM THE FLOOR LEVEL.
TESTED WITH FREE RETURN AND THE DISCHARGE AIR WAS DUCTED TO ADJACENT ROOM.

AIR-COOLED ROOFTOP A4RT-A SERIES - R-407C

HEATPUMP MODEL					A4RT60AR	A4RT80AR	A4RT100AR	A4RT120AR	A4RT150AR
NOMINAL COOLING CAPACITY				Btu/h	57000	72000	88000	100000	149000
				W	16705	21101	25790	29307	43668
NOMINAL HEATING CAPACITY				Btu/h	69000	77000	102000	122000	160000
				W	20222	22566	29893	35755	46891
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	6860	8410	10820	12840	16570
			HEATING	W	6600	7540	9810	11490	15710
COOLING ONLY MODEL					A4RT60A	A4RT80A	A4RT100A	A4RT120A	A4RT150A
NOMINAL CAPACITY				Btu/h	59000	72000	95000	110000	140000
				W	17291	21101	27842	32238	41030
50 Hz	NOMINAL TOTAL INPUT POWER			W	5890	8700	11600	12180	17200
POWER SOURCE				V/Ph/Hz	380 ~ 415 / 3 / 50		380 ~ 415 / 3 / 50		380 ~ 415 / 3 / 50
EVAP.	AIR FLOW			l/s / cfm	850 / 1800	1334 / 2826	1667 / 3532	1699 / 3600	2667 / 5651
	EXTERNAL STATIC PRESSURE			Pa/in.wg.	98 / 0.39		98 / 0.39		196 / 0.79
CONDENSER	SOUND PRESSURE LEVEL			dBA	63	65	66	68	70
	UNIT DIMENSION	HEIGHT		mm/in	1000 / 39.4		1000 / 39.4		1200 / 47.2
		WIDTH		mm/in	1100 / 43.3	1300 / 51.2	1300 / 51.2		1990 / 78.4
		DEPTH		mm/in	1530 / 60.2		1530 / 60.2		1800 / 70.9
	UNIT WEIGHT	HEATPUMP		kg/lb	320 / 705	385 / 849	415 / 915	440 / 970	700 / 1543
		COOLING ONLY		kg/lb	295 / 650	370 / 816	400 / 882	425 / 937	665 / 1466

AIR-COOLED ROOFTOP A4RT-A SERIES - R-407C

HEATPUMP MODEL					A4RT200AR	A4RT250AR	A4RT300AR	A4RT360AR	A4RT420AR
NOMINAL COOLING CAPACITY				Btu/h	190000	230000	283000	345000	374000
				W	55684	67406	82939	101110	109609
NOMINAL HEATING CAPACITY				Btu/h	230000	255000	315000	349000	431000
				W	67406	74733	92317	102290	126314
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	21160	29200	38160	43170	48200
			HEATING	W	20300	26220	34780	41670	46800
COOLING ONLY MODEL					A4RT200A	A4RT250A	A4RT300A	A4RT360A	A4RT420A
NOMINAL CAPACITY				Btu/h	190000	230000	283000	331000	415000
				W	55684	67406	82939	97007	121624
50 Hz	NOMINAL TOTAL INPUT POWER			W	25100	28700	40160	41870	48800
POWER SOURCE				V/Ph/Hz	380 ~ 415 / 3 / 50	380 ~ 415 / 3 / 50		380 ~ 415 / 3 / 50	
EVAP.	AIR FLOW			l/s / cfm	3167 / 6710	3776 / 8000	4531 / 9600	5191 / 11000	5899 / 12500
	EXTERNAL STATIC PRESSURE			Pa/in.wg.	196 / 0.79	294 / 1.18		294 / 1.18	
CONDENSER	SOUND PRESSURE LEVEL			dBA	70	74		70	
	UNIT DIMENSION	HEIGHT		mm/in	1200 / 47.2	1735 / 68.0		1974 / 78.0	
		WIDTH		mm/in	1990 / 78.4	2250 / 88.5		2252 / 89.0	
		DEPTH		mm/in	1800 / 70.9	2800 / 110.0		3180 / 125.0	
	UNIT WEIGHT	HEATPUMP		kg/lb	800 / 1764	1200 / 2646	1350 / 2976	1510 / 3329	1600 / 3527
		COOLING ONLY		kg/lb	765 / 1687	1200 / 2646	1350 / 2976	1510 / 3329	1600 / 3527

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4) SOUND PRESSURE LEVELS ARE MEASSURED IN ANECHOIC CHAMBER:
POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT OF THE UNIT AND 1m ABOVE THE FLOOR LEVEL.